

SECTION 14**PO 123 – RESPOND TO BASIC FORMS OF NAVAL COMMUNICATIONS**

1. **Performance:** Respond to Basic Forms of Naval Communications
2. **Conditions:**
 - a. Given:
 - (1) Supervision as required; and
 - (2) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Any conditions.
3. **Standard:** IAW specified references, the cadet will:
 - a. Respond to and use basic naval terminology during the conduct of corps activities, when appropriate; and
 - b. Recognize the different pipes and respond to them.
4. **Remarks:** Nil.
5. **Complimentary Material:**
 - a. Complementary material under PO 123 is designed to enhance a cadet's understanding of the traditions of the Canadian Navy through a number of activities:
 - (1) EO C123.01 Read the 24-Hour Clock.
 - (2) EO C123.02 Recite the Phonetic Alphabet.
 - (3) EO C123.03 Participate in a Semaphore Exercise.
 - (4) EO C123.04 Ring the Ship's Bell.
 - b. Complementary training under PO 123 is limited to a total of nine periods conducted during sessions or on a supported day. Corps are not required to use all nine periods.

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EO M123.01 – DEFINE BASIC NAVAL TERMINOLOGY

1. **Performance:** Define Basic Naval Terminology
2. **Conditions:**
 - a. Given:
 - (1) Diagrams of ships listing the parts;
 - (2) Supervision; and
 - (3) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Suitable classroom facilities / training area large enough to accommodate entire group.
3. **Standard:** The cadet shall define basic naval terminology and recognize the importance of this terminology as a naval custom.

4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Explain the use of naval terminology.	Interactive Lecture	5 min	A1-007 (pp. 9-1 to 9-3 and 9A-1 to 9A-11)
TP2	Define naval terminology.	In-Class Activity	45 min	A1-007 (pp. 9-1 to 9-3 and 9A-1 to 9A-11) A1-008 (pp. 47 to 48)

5. **Time:**

- | | |
|-------------------------------|--------|
| a. Introduction / Conclusion: | 10 min |
| b. Interactive Lecture: | 5 min |
| c. In-Class Activity: | 45 min |
| d. Total: | 60 min |

6. **Substantiation:**

- a. An interactive lecture was chosen for TP 1 to orient the cadets to basic naval terminology.
- b. An in-class activity was chosen for TP 2 as it is an interactive way to provoke thought and stimulate interest among cadets about naval terminology.

7. **References:**

- a. A1-007 A-CR-CCP-004/PT-002 D Cdts (1983). *Royal Canadian Sea Cadets Manual Volume 2*. Ottawa, ON.
- b. A1-008 A-CR-CCP-004/PT-001 CCP-1004 D Cdts (1977). *Royal Canadian Sea Cadet Manual*. Ottawa, ON.

8. **Training Aids:**

- a. Presentation aids (eg, whiteboard / flipchart / OHP / multimedia projector) appropriate for classroom / training area;
- b. Markers;
- c. Tape;
- d. Paper;
- e. Jargon Jeopardy cue cards (Annex A to the Instructional Guide);
- f. Large cue cards; and
- g. Blue and white paper.

9. **Learning Aids:**

- a. Jargon Jeopardy game;
- b. Term-inator activity; and
- c. Term hunt activity.

10. **Test Details:** There is no formal assessment of this EO. Instructors will confirm the cadets' comprehension of the material during the activity and end of lesson check.

11. **Remarks:**

EO M123.02 – IDENTIFY PIPES AND THE CORRECT RESPONSES

1. **Performance:** Identify Pipes and the Correct Responses
2. **Conditions:**
 - a. Given:
 - (1) Supervision, and
 - (2) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Suitable classroom facilities / training area large enough to accommodate entire group.
3. **Standard:** The cadet shall identify the different pipes and the associated correct responses, to include:
 - a. General Call,
 - b. The Still, and
 - c. Carry On.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Demonstrate the following pipes: <ol style="list-style-type: none"> a. General Call, b. The Still, and c. Carry On. 	Demonstration	5 min	A1-007 (p. 7)
TP2	Explain the purpose of each pipe, to include: <ol style="list-style-type: none"> a. General Call – the general call is used to gain the attention of the ship's company before passing an order; b. The Still – the still is used to pipe all hands to attention as a mark of respect, to order silence on occasions such as rounds, colours and sunset or to stop all work in the vicinity in order to prevent an accident; and c. Carry On – the carry on is piped after the reason for the still is completed. 	Interactive Lecture	10 min	A1-007 (pp. 9-4 to 9-7)

TP	Description	Method	Time	Refs
TP3	<p>Explain the required response to each pipe, to include:</p> <p>a. General Call or Still – When either pipe is heard, cadets should stop what they are doing, adopt the position of attention and listen for orders; and</p> <p>b. Carry On – The carry on is piped after the reason for the still is completed, and the cadet may continue with what they were doing before they heard the pipe.</p>	Interactive Lecture	10 min	A1-007 (pp. 9-4 to 9-7)

5. **Time:**

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|-------------------------------|--------|
| a. Introduction / Conclusion: | 5 min |
| b. Demonstration: | 5 min |
| c. Interactive Lecture: | 20 min |
| d. Total: | 30 min |

6. **Substantiation:**

- A demonstration was chosen for TP 1 as it allows the instructor to explain and demonstrate the General Call, Carry On and the Still.
- The interactive lecture method was chosen for TP 2 and TP 3 to introduce the cadets to pipes and how to respond to them.

7. **Reference:** A1-007 A-CR-CCP-004/PT-002 D Cdts (1983). *Royal Canadian Sea Cadets Manual Volume 2*. Ottawa, ON.8. **Training Aids:**

- Presentation aids (eg, whiteboard / flipchart / OHP / multimedia projector) appropriate for classroom / training area,
- Markers,
- TV / VCR,
- Piping video, if available; and
- Boatswain's Call (one per class for demonstration purposes).

9. **Learning Aids:** Nil.10. **Test Details:** Nil.11. **Remarks:**

- Piping Videos available on the RCSU(P) Regional website: http://www.regions.cadets.ca/pac/seacad/resources/pipes_e.asp.

EO M123.03 – PARTICIPATE IN A REVIEW OF SHIP’S OPERATIONS

1. **Performance:** Participate in a Review of Ship’s Operations
2. **Conditions:**
 - a. Given:
 - (1) Supervision, and
 - (2) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Suitable classroom facilities / training area large enough to accommodate entire group.
3. **Standard:** The cadets shall participate in a review of ship’s operations.
4. **Teaching Points:** Review ship’s operations, to include:
 - a. naval terminology, and
 - b. boatswain pipes.
5. **Time:**

a. Introduction / Conclusion:	5 min
b. Games:	25 min
c. Total:	30 min
6. **Substantiation:** An in-class activity was chosen for this lesson as it is an interactive way to provoke thought and stimulate interest in ship’s operations.
7. **References:**
 - a. A1-002 CMS / SO Heritage (2004). *Manual of Ceremony for HMC Ships, Submarines and Naval Reserve Divisions*. Ottawa, ON.
 - b. A1-007 A-CR-CCP-004/PT-002 D Cdts (1983). *Royal Canadian Sea Cadets Manual Volume 2*. Ottawa, ON.
 - c. A1-008 A-CR-CCP-004/PT-001 CCP-1004 D Cdts (1977). *Royal Canadian Sea Cadet Manual*. Ottawa, ON.
 - d. C1-003 ISBN 11-770973-5 (1972). *Admiralty Manual of Seamanship 1964 Volume 1*. London, England: Her Majesty's Stationery Office.
8. **Training Aids:**
 - a. Crossword puzzle (Annex A to the Instructional Guide);
 - b. Naval terminology word search handout (Annex C to the Instructional Guide),
 - c. Quiz cards (Annex D to the Instructional Guide), and
 - d. Pencils / pens.

9. **Learning Aids:**

- a. Crossword puzzle, one per cadet, and
- b. Naval terminology word search handout, one per cadet.

10. **Test Details:** Nil.

11. **Remarks:** Activities from EO M123.01 and EO M123.02 may also be used for this lesson.

EO C123.01 – READ THE 24-HOUR CLOCK

1. **Performance:** Read the 24-hour Clock
2. **Conditions:**
 - a. Given:
 - (1) Diagram of 24-hour clock,
 - (2) Supervision, and
 - (3) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Suitable classroom facilities / training area large enough to accommodate entire group.
3. **Standard:** The cadet shall read the 24-hour clock and convert conventional time into 24-hour time.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Describe the 24-hour clock and how it works.	Interactive Lecture	10 min	A1-008 (p. 25)
TP2	Conduct an activity on the 24-hour clock.	In-Class Activity	15 min	

5. **Time:**
 - a. Introduction / Conclusion: 5 min
 - b. Interactive Lecture: 10 min
 - c. In-Class Activity: 15 min
 - d. Total: 30 min
6. **Substantiation:**
 - a. An interactive lecture was chosen for TP 1 and to orient the cadets to the 24-hour clock.
 - b. An in-class activity was chosen for TP 2 as it is an interactive way to provoke thought and stimulate interest about the 24-hour clock.
7. **Reference:** A1-008 A-CR-CCP-004/PT-001 CCP-1004 D Cdts (1977). *Royal Canadian Sea Cadet Manual*. Ottawa, ON.
8. **Training Aids:**
 - a. Presentation aids (eg, whiteboard / flipchart / OHP / multimedia projector) appropriate for classroom / training area;
 - b. Markers,
 - c. Picture of the 24-hour clock (Annex A of the Instructional Guide); and
 - d. Time cards (Annex B to the Instructional Guide).

9. **Learning Aids:**

- a. Picture of the 24-hour clock (Annex A of the Instructional Guide); and
- b. Time cards to be used for Time for a Challenge activity and Time to Remember activity (Annex B of the Instructional Guide).

10. **Test Details:** Nil.

11. **Remarks:** Nil.

EO C123.02 – RECITE THE PHONETIC ALPHABET

1. **Performance:** Recite the Phonetic Alphabet
2. **Conditions:**
 - a. Given:
 - (1) Supervision, and
 - (2) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Suitable classroom facilities / training area large enough to accommodate entire group.
3. **Standard:** The cadet shall recite the phonetic alphabet.

4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Discuss the use of the phonetic alphabet.	Interactive Lecture	5 min	
TP2	Recite the phonetic alphabet.	Interactive Lecture	20 min	A1-008 (p. 252)
TP3	Conduct an activity on the phonetic alphabet.	In-Class Activity	25 min	

5. **Time:**

- | | |
|-------------------------------|--------|
| a. Introduction / Conclusion: | 10 min |
| b. Interactive Lecture: | 25 min |
| c. In-Class Activity: | 25 min |
| d. Total: | 60 min |

6. **Substantiation:**

- a. An interactive lecture was chosen for TP 1 and TP 2 to orient the cadets to the phonetic alphabet.
- b. An in-class activity was chosen for TP 3 as it is an interactive way to provoke thought and stimulate interest about the phonetic alphabet.

7. **References:**

- a. A1-008 A-CR-CCP-004/PT-001 CCP-1004 D Cdts (1977). *Royal Canadian Sea Cadet Manual*. Ottawa, ON.
- b. C1-014 National Aeronautics and Space Administration. Retrieved 21 April 2006 from <http://www.grc.nasa.gov/WWW/MAEL/ag/phonetic.htm>.

8. **Training Aids:**

- a. Presentation aids (eg, whiteboard / flipchart / OHP / multimedia projector) appropriate for classroom / training area,
- b. Markers,
- c. Pens or pencils,
- d. Phonetic alphabet picture, located at Attachment A,
- e. Phonetic Alphabet Crossword Puzzle, located at Attachment B,
- f. Phonetic Alphabet Word Search, located at Attachment C, and
- g. Memory cards, located at Attachment D.

9. **Learning Aids:**

- a. Phonetic Alphabet Crossword Puzzle, located at Attachment B,
- b. Phonetic Alphabet Word Search, located at Attachment C, and
- c. Memory cards, located at Attachment D.

10. **Test Details:** Nil.

11. **Remarks:** Nil.

EO C123.03 – PARTICIPATE IN A SEMAPHORE EXERCISE

1. **Performance:** Participate in a Semaphore Exercise
2. **Conditions:**
 - a. Given:
 - (1) Semaphore code handout,
 - (2) Paper supplies to create sets of semaphore flags,
 - (3) Supervision, and
 - (4) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Suitable classroom facilities / training area large enough to accommodate entire group.
3. **Standard:** The cadet shall participate in a semaphore exercise, to include:
 - a. creating semaphore flags;
 - b. practicing using semaphore code; and
 - c. calling and answering semaphore messages.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Define semaphore.	Interactive Lecture	5 min	A1-008 (p. 264)
TP2	Have the cadets create semaphore flags.	In-Class Activity	30 min	
TP3	Demonstrate semaphore code.	Demonstration	10 min	C1-003 (pp. 357 and 359, p. 349)
TP4	Conduct an activity to allow cadets to practice semaphore. Split the code into the following sections: <ol style="list-style-type: none"> a. alpha – golf, b. hotel - november, c. oscar – sierra, d. tango – victor, e. whiskey – zulu, and f. direction sign, error sign, break sign and numeral sign. 	Demonstration and Performance	60 min	C1-003 (pp. 357 and 359, p. 349)
TP5	Demonstrate and have cadets practice calling and answering semaphore messages.	Demonstration and Performance	30 min	

5. **Time:**

a. Introduction / Conclusion:	15 min
b. Interactive Lecture:	5 min
c. In-Class Activity:	30 min
d. Demonstration:	10 min
e. Demonstration and Performance:	90 min
f. Total:	150 min

6. **Substantiation:**

- a. An interactive lecture was chosen for TP 1 to orient the cadets to the phonetic alphabet.
- b. An in-class activity was chosen for TP 2 as it is an interactive way to provoke thought and stimulate interest about the phonetic alphabet.
- c. A demonstration was chosen for TPs 3 as it allows the instructor to explain and demonstrate the proper way to perform semaphore.
- d. A demonstration and performance was chosen for TP 4 and 5 as it allows the instructor to explain and demonstrate the skill the cadets are expected to acquire while providing an opportunity for the cadets to practice the skill under supervision.

7. **References:**

- a. A1-008 A-CR-CCP-004/PT-001 CCP-1004 D Cdts (1977). *Royal Canadian Sea Cadet Manual*. Ottawa, ON.
- b. C1-00 11-770973-5 (1972). *Admiralty Manual of Seamanship 1964 Volume 1*. London, England: Her Majesty's Stationery Office.

8. **Training Aids:**

- a. Flag diagram (Annex A to the Instructional Guide),
- b. Diagram of semaphore code (Annex B to the Instructional Guide),
- c. Scissors, and
- d. Pencil crayons or markers.

9. **Learning Aids:**

- a. Flag diagram (Annex A to the Instructional Guide),
- b. Diagram of semaphore code (Annex B to the Instructional Guide),
- c. Paper,
- d. Scissors, and
- e. Pencil crayons or markers for colouring the flags.

10. **Test Details:** Nil.

11. **Remarks:**

- a. It is suggested that the phonetic alphabet be taught before semaphore. Cadets can work in pairs and practice signalling to each other.
- b. The following websites were consulted when developing this lesson:
 - (1) www.navy.gc.ca/mspa_youth/youth_sc_intro_e.asp;
 - (2) www.anbg.gov.au/images/flags/misc/semaphore.gif; and
 - (3) www.navy.forces.gc.ca/mspa_youth_sc_sema2_e.asp.

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EO C123.04 – RING THE SHIP’S BELL

1. **Performance:** Ring the Ship’s Bell
2. **Conditions:**
 - a. Given:
 - (1) Ship’s bell,
 - (2) Supervision, and
 - (3) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Suitable classroom facilities / training area large enough to accommodate entire group and ship’s bell.
3. **Standard:** The cadet shall ring the ship’s bell.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	History of the ship’s bell.	Interactive Lecture	5 min	C1-003 (pp. 336 and 371) A1-002 (p. 4-4-2)
TP2	Explain, demonstrate and have the cadets ring the ship’s bell.	Demonstration and Performance	20 min	

5. **Time:**
 - a. Introduction / Conclusion: 5 min
 - b. Interactive Lecture: 5 min
 - c. Demonstration and Performance: 20 min
 - d. Total: 30 min
6. **Substantiation:**
 - a. An interactive lecture was chosen for TP 1 to orient the cadets to the ship’s bell.
 - b. A demonstration and performance was chosen for TP 2 as it allows the instructor to explain and demonstrate the skill the cadets are expected to acquire while providing an opportunity for the cadets to practice the skill under supervision.
7. **References:**
 - a. A1-001 - Veteran Affairs Canada. (2006) Retrieved 24 March 2006, from www.vac-acc.gc.ca.
 - b. A1-002 CMS / SO Heritage (2004). *Manual of Ceremony for HMC Ships, Submarines and Naval Reserve Divisions*. Ottawa, ON.

- c. A1-005 - CFB Esquimalt Naval & Military Museum. Retrieved 24 March 2006, from www.navalandmilitary.org/resource_pages/sailor_life/ships_bell.html
 - d. C1-003 ISBN 11-770973-5 (1972). *Admiralty Manual of Seamanship 1964 Volume 1*. London, England: Her Majesty's Stationery Office.
8. **Training Aids:** Ship's bell.
9. **Learning Aids:** Ship's bell.
10. **Test Details:** Nil.
11. **Remarks:** This lesson should be conducted in an area where the cadets can practice ringing the ship's bell and not disturb training being carried out around them.