

**PO 223**

1. **Performance:** Serve in a Naval Environment
2. **Conditions:**
  - a. Given:
    - (1) Boatswain's call;
    - (2) cleaning supplies;
    - (3) supervision; and
    - (4) assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Any conditions.
3. **Standard:** In accordance with specified references, the cadet will:
  - a. define naval terminology;
  - b. stand watch; and
  - c. pipe calls, to include:
    - (1) General Call;
    - (2) Still; and
    - (3) Carry On.
4. **Remarks:** Corps should follow a ship's routine to reinforce this PO.
5. **Complementary Material:**
  - a. Complementary material associated with PO 223 is designed to provide opportunities for the cadet to recognize the traditions of the Canadian Navy through a number of activities:
    - (1) EO C223.01 (Define Naval Terminology); and
    - (2) EO C223.02 (Pipe the Side); and
  - b. Some complementary training offered in the Phase One Program may be selected as complementary training in Phase Two, specifically:
    - (1) EO C123.01 (Read the 24-hour Clock);
    - (2) EO C123.02 (Recite the Phonetic Alphabet); and
    - (3) EO C123.03 (Participate in a Semaphore Exercise).
  - c. When selecting complementary material from Phase One training, training staff shall review the applicable performance objective, lesson specification, and A-CR-CCP-602/PF-001.
  - d. Complementary training associated with PO 223 is limited to a total of three periods conducted during sessions or on a supported day. Corps are not required to use all three periods.

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**EO M223.01**

1. **Performance:** Define Ship-Related Terms
2. **Conditions:**
  - a. Given:
    - (1) supervision; and
    - (2) assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.
3. **Standard:** In accordance with B-GN-181-105/FP-E00, *CFCD 105 Fleet Seamanship Rigging and Procedures Manual*, the cadet shall define ship-related terminology.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Conduct an activity to identify the following parts of a ship's hull: <ol style="list-style-type: none"> <li>a. after part;</li> <li>b. bow;</li> <li>c. fore part;</li> <li>d. midship part;</li> <li>e. stem;</li> <li>f. stern;</li> <li>g. draught;</li> <li>h. freeboard;</li> <li>i. beam;</li> <li>j. bilge;</li> <li>k. bilge keel;</li> <li>l. camber; and</li> <li>m. keel.</li> </ol>	In-Class Activity	15 min	A1-004 (pp. 3-3 to 3-6 and pp. 3-21 to 3-28)
TP2	Conduct an activity to identify the following directions in a ship: <ol style="list-style-type: none"> <li>a. abaft;</li> <li>b. aft;</li> <li>c. centreline;</li> <li>d. forward;</li> <li>e. midships;</li> <li>f. abeam;</li> </ol>	In-Class Activity	10 min	A1-004 (pp. 3-8 to 3-12 and pp. 3-21 to 3-28)

TP	Description	Method	Time	Refs
	g. ahead; h. aloft; i. astern; j. below; k. up top; l. athwartships; m. inboard;and n. outboard.			

5. **Time:**

- |    |                            |        |
|----|----------------------------|--------|
| a. | Introduction / Conclusion: | 5 min  |
| b. | In-Class Activity:         | 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 among cadets.

7. **References:** A1-004 B-GN-181-105/FP-E00 Chief of the Maritime Staff. (1997). *CFCD 105 Fleet Seamanship Rigging and Procedures Manual*. Ottawa, ON: Department of National Defence.

8. **Training Aids:** Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area.

9. **Learning Aids:** Handouts located at A-CR-CCP-602/PF-001, Chapter 12, Annex A and B.

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

11. **Remarks:** N/A.

**EO M223.02**

1. **Performance:** Identify the Watch System
2. **Conditions:**
  - a. Given:
    - (1) supervision; and
    - (2) assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.
3. **Standard:** In accordance with specified references, the cadet shall identify the watch system, to include:
  - a. the organization of the watch system;
  - b. the duty personnel positions; and
  - c. the responsibilities of duty personnel.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Describe how watch systems are organized, to include: <ol style="list-style-type: none"> <li>a. port and starboard; and</li> <li>b. red, white and blue.</li> </ol>	Interactive Lecture	5 min	A1-024 (p. 7-4)
TP2	Describe the division of time for the watch system, to include: <ol style="list-style-type: none"> <li>a. timings, to include:               <ol style="list-style-type: none"> <li>(1) middle watch (0000 hrs to 0400 hrs);</li> <li>(2) morning watch (0400 hrs to 0800 hrs);</li> <li>(3) forenoon watch (0800 hrs to 1200 hrs);</li> <li>(4) afternoon watch (1200 hrs to 1600 hrs);</li> <li>(5) first dog watch (1600 hrs to 1800 hrs);</li> <li>(6) last dog watch (1800 hrs to 2000 hrs); and</li> <li>(7) first watch (2000 hrs to 0000 hrs); and</li> </ol> </li> <li>b. bells.</li> </ol>	Interactive Lecture	10 min	A1-024 (p. 7-2)

TP	Description	Method	Time	Refs
TP3	Describe the responsibilities of duty personnel, to include: <ul style="list-style-type: none"> <li>a. officer of the watch;</li> <li>b. second officer of the watch;</li> <li>c. petty officer of the watch;</li> <li>d. quartermaster;</li> <li>e. helmsman;</li> <li>f. lookout; and</li> <li>g. lifebuoy sentry.</li> </ul>	Interactive Lecture	10 min	A1-024 (pp. 7-5 to 7-8)

5. **Time:**

- |    |                            |        |
|----|----------------------------|--------|
| a. | Introduction / Conclusion: | 5 min  |
| b. | Interactive Lecture:       | 25 min |
| c. | Total:                     | 30 min |

6. **Substantiation:** An interactive lecture was chosen for this lesson to present basic material and orient the cadets to the watch system, timings, and duty personnel responsibilities.

7. **References:** A1-024 Venture Naval Officer Training Centre. (2005). *Naval Environmental Training Programme - Officers Handbook*. Esquimalt, BC: Venture Naval Officer Training Centre.

8. **Training Aids:** Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area.

9. **Learning Aids:** N/A.

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

11. **Remarks:** N/A.

**EO M223.03**

1. **Performance:** Execute Notes Using the Boatswain's Call
2. **Conditions:**
  - a. Given:
    - (1) Boatswain's call;
    - (2) Cleaning supplies;
    - (3) Supervision; and
    - (4) Assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.
3. **Standard:** In accordance with specified references, the cadet shall execute high and low notes using the boatswain's call.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Describe the parts of a boatswain's call, to include: <ol style="list-style-type: none"> <li>a. gun;</li> <li>b. shackle;</li> <li>c. keel;</li> <li>d. buoy; and</li> <li>e. hole.</li> </ol>	Interactive Lecture	10 min	C1-003
TP2	Demonstrate and have the cadets practice holding the boatswain's call.	Demonstration and Performance	10 min	C1-043 C1-003
TP3	Demonstrate and have cadets practice executing notes on the boatswain's call, to include: <ol style="list-style-type: none"> <li>a. low notes; and</li> <li>b. high notes.</li> </ol>	Demonstration and Performance	30 min	C1-043

5. **Time:**
  - a. Introduction / Conclusion: 10 min
  - b. Interactive Lecture: 10 min
  - c. Demonstration and Performance: 40 min
  - d. Total: 60 min

6. **Substantiation:**

- a. An interactive lecture was chosen for TP1 to orient the cadets to the boatswain's call.
- b. Demonstration and performance was chosen for TP2 and TP3 as it allows the instructor to explain and demonstrate holding the boatswain's call as well executing high and low notes while providing an opportunity for the cadets to practice these skills under supervision.

7. **References:**

- a. C1-003 (ISBN 0-11770973-5) Royal Navy. (1972). *Admiralty Manual of Seamanship 1964 (Vol. 1)*. London, England: Her Majesty's Stationery Office.
- b. C1-043 Ready Aye Ready. (ND). *The Boatswain's Call*. Retrieved 19 February 2007, from <http://www.readyayeready.com/navy-life/boatswains-call.htm>.

8. **Training Aids:**

- a. Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area;
- b. Boatswain's call; and
- c. Cleaning supplies.

9. **Learning Aids:**

- a. Boatswain's call; and
- b. Handouts located at A-CR-CCP-602/PF-001, Chapter 12, Annex C and D.

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

11. **Remarks:** N/A.

**EO M223.04**

1. **Performance:** Pipe the General Call
2. **Conditions:**
  - a. Given:
    - (1) Boatswain's call;
    - (2) cleaning supplies;
    - (3) supervision; and
    - (4) assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.
3. **Standard:** In accordance with specified references, the cadet shall pipe the General Call.

4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Identify the purpose of the General Call.	Interactive Lecture	5 min	C1-003 C1-043
TP2	Demonstrate, explain, and have the cadets practice piping the General Call, to include: <ol style="list-style-type: none"> <li>a. note sequence, and</li> <li>b. timings.</li> </ol>	Demonstration and Performance	20 min	C1-043 A1-022

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 TP1 to introduce the General Call and provide an overview of its purpose.
- b. Demonstration and performance was chosen for TP2 as it allows the instructor to explain and demonstrate piping the General Call while providing an opportunity for the cadets to practice the call under supervision.

7. **References:**

- a. A1-022 Canadian Navy. (2006). *Youth Section-Pipe Sounds*. Retrieved 29 February 2007, from [http://www.navy.forces.gc.ca/cms\\_youth/youth\\_articles\\_e.asp?id=500](http://www.navy.forces.gc.ca/cms_youth/youth_articles_e.asp?id=500).

- b. C1-003 (ISBN 0-11770973-5) Royal Navy. (1972). *Admiralty Manual of Seamanship 1964* (Vol. 1). London, England: Her Majesty's Stationery Office.
- c. C1-043 Ready Aye Ready. (ND). *The Boatswain's Call*. Retrieved 19 February 2007, from <http://www.readyayeready.com/navy-life/boatswains-call.htm>.

8. **Training Aids:**

- a. Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area;
- b. Boatswain's call; and
- c. Cleaning supplies.

9. **Learning Aids:**

- a. Boatswain's call; and
- b. Handout located at A-CR-CCP-602/PF-001, Chapter 12, Annex E.

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

11. **Remarks:** Instructors can find audio samples of the General Call at reference A1-022 that may be played for the cadets during this lesson.

**EO M223.05**

1. **Performance:** Pipe the Still
2. **Conditions:**
  - a. Given:
    - (1) Boatswain's call;
    - (2) cleaning supplies;
    - (3) supervision; and
    - (4) assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.
3. **Standard:** In accordance with specified references, the cadet shall pipe the Still.

4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Identify the purpose of the Still.	Interactive Lecture	5 min	C1-043 C1-003
TP2	Demonstrate, explain, and have the cadets practice piping the Still, to include: <ol style="list-style-type: none"> <li>a. the note; and</li> <li>b. timings.</li> </ol>	Demonstration and Performance	20 min	C1-043 A1-022

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 TP1 to introduce the Still and provide an overview of its purpose.
- b. Demonstration and performance was chosen for TP2 as it allows the instructor to explain and demonstrate piping the Still while providing an opportunity for the cadets to practice the call under supervision.

7. **References:**

- a. A1-022 Canadian Navy. (2006). *Youth Section-Pipe Sounds*. Retrieved 29 February 2007, from [http://www.navy.forces.gc.ca/cms\\_youth/youth\\_articles\\_e.asp?id=500](http://www.navy.forces.gc.ca/cms_youth/youth_articles_e.asp?id=500).

- b. C1-003 (ISBN 0-11770973-5) Royal Navy. (1972). *Admiralty Manual of Seamanship 1964 (Vol. 1)*. London, England: Her Majesty's Stationery Office.
- c. C1-043 Ready Aye Ready. (ND). *The Boatswain's Call*. Retrieved 19 February 2007, from <http://www.readyayeready.com/navy-life/boatswains-call.htm>.

8. **Training Aids:**

- a. Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area;
- b. Boatswain's call; and
- c. Cleaning supplies.

9. **Learning Aids:**

- a. Boatswain's call; and
- b. Handout located at A-CR-CCP-602/PF-001, Chapter 12, Annex F.

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

11. **Remarks:**

- a. Instructors can find audio samples of the Still at reference A1-022 that may be played for the cadets during this lesson.
- b. Ensure the Boatswain's calls are cleaned with a cleaning solution between uses.

**EO M223.06**

1. **Performance:** Pipe the Carry On
2. **Conditions:**
  - a. Given:
    - (1) Boatswain's call;
    - (2) cleaning supplies;
    - (3) supervision; and
    - (4) assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.
3. **Standard:** In accordance with specified references, the cadet shall pipe the Carry On.

4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Identify the purpose of the Carry On.	Interactive Lecture	5 min	C1-003 C1-043
TP2	Demonstrate, explain, and have the cadets practice piping the Carry On, to include: <ol style="list-style-type: none"> <li>a. note sequence; and</li> <li>b. timings.</li> </ol>	Demonstration and Performance	20 min	C1-043 A1-022

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 TP1 to introduce the Carry On and provide an overview of its purpose.
  - b. Demonstration and performance was chosen for TP2 as it allows the instructor to explain and demonstrate piping the Carry On while providing an opportunity for the cadets to practice the call under supervision
7. **References:**
  - a. A1-022 Canadian Navy. (2006). *Youth Section-Pipe Sounds*. Retrieved 29 February 2007, from [http://www.navy.forces.gc.ca/cms\\_youth/youth\\_articles\\_e.asp?id=500](http://www.navy.forces.gc.ca/cms_youth/youth_articles_e.asp?id=500).

- b. C1-003 (ISBN 0-11770973-5) Royal Navy. (1972). *Admiralty Manual of Seamanship 1964 (Vol. 1)*. London, England: Her Majesty's Stationery Office.
- c. C1-043 Ready Aye Ready. (ND). *The Boatswain's Call*. Retrieved 19 February 2007, from <http://www.readyayeready.com/navy-life/boatswains-call.htm>.

8. **Training Aids:**

- a. Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area;
- b. Boatswain's call; and
- c. Cleaning supplies.

9. **Learning Aids:**

- a. Boatswain's call; and
- b. Handout located at A-CR-CCP-602/PF-001, Chapter 12, Annex G.

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

11. **Remarks:** Instructors can find audio samples of the Carry On at reference A1-022 that may be played for the cadets during this lesson.

**EO M223.07**

1. **Performance:** Identify the Procedure for Berthing a Ship
2. **Conditions:**
  - a. Given:
    - (1) line;
    - (2) supervision; and
    - (3) assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.
3. **Standard:** In accordance with specified references, the cadet shall identify the procedure for berthing a ship, to include:
  - a. berthing lines; and
  - b. line handling.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Identify berthing lines, to include: <ol style="list-style-type: none"> <li>a. the types of lines, and</li> <li>b. the locations of lines.</li> </ol>	Interactive Lecture	10 min	A1-004 (pp. 6-10 and 6-11)
TP2	Demonstrate, explain, and have the cadets practice line handling, to include: <ol style="list-style-type: none"> <li>a. heaving lines and hawsers;</li> <li>b. faking down a line; and</li> <li>c. securing a line to a twin bollard.</li> </ol>	Demonstration and Performance	10 min	A1-004 (p. 6-11) C1-047 (p. 3-31 and 3-5)
TP3	Describe the procedure for berthing a ship, to include: <ol style="list-style-type: none"> <li>a. approaching the jetty; and</li> <li>b. the securing order of berthing lines.</li> </ol>	Interactive Lecture	5 min	A1-004 (p. 6-3) C1-047 (p. 2-21)
TP4	Describe the procedure for slipping a ship, to include: <ol style="list-style-type: none"> <li>a. the slipping order of berthing lines; and</li> <li>b. departing the jetty.</li> </ol>	Interactive Lecture	5 min	A1-004 (pp. 6-3 and 6-4)
TP5	Supervise while the cadets participate in a simulated berthing and slipping activity.	Practical Activity	20 min	

5. **Time:**

- |                                   |        |
|-----------------------------------|--------|
| a. Introduction / Conclusion:     | 10 min |
| b. Interactive Lecture:           | 20 min |
| c. Demonstration and Performance: | 10 min |
| d. Practical Activity:            | 20 min |
| e. Total:                         | 60 min |

6. **Substantiation:**

- An interactive lecture was chosen for TP1, TP2 and TP4 to introduce the cadets to berthing lines and to give an overview of the procedure for berthing and slipping a ship.
- Demonstration and performance was chosen for TP3 as it allows the instructor to explain and demonstrate line handling while providing an opportunity for the cadets to practice this skill under supervision.
- A practical activity was chosen for TP5 as it is an interactive way to allow cadets to experience the procedure for berthing a ship in a safe and controlled environment. This activity contributes to the development of berthing skills and knowledge in a fun and challenging setting.

7. **References:**

- A1-004 B-GN-181-105/FP-E00 Chief of the Maritime Staff. (1997). *CFCD 105 Fleet Seamanship Rigging and Procedures Manual*. Ottawa, ON: Department of National Defence.
- C1-047 (ISBN 0-11-772695-8)/BON-050-002/PT-004 Command of the Defence Council. (1995). *BR 67 Admiralty Manual of Seamanship*. London, England: HMSO Publications Centre.

8. **Training Aids:**

- Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area;
- Twin bollards (five);
- Heaving line (5 pieces measuring 20 ft each); and
- Line.

9. **Learning Aids:**

- Twin bollards;
- Heaving line; and
- Line.

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

11. **Remarks:**

- Instructions on how to make a mock bollard are outlined in A-CR-CCP-602/PF-001, Chapter 12, Annex H.
- If corps have access to hawser lines, they are recommended for use in the practical activities in TP3 and TP5. Allowing cadets to handle actual hawser lines will provide a better understanding of line handling when berthing and slipping a ship.

**EO C223.01**

1. **Performance:** Define Naval Terminology
2. **Conditions:**
  - a. Given:
    - (1) Supervision; and
    - (2) Assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.
3. **Standard:** In accordance with specified references, the cadet shall define naval terminology, to include:
  - a. positions/appointments;
  - b. terms; and
  - c. orders.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Define naval positions/appointments, to include: <ol style="list-style-type: none"> <li>a. boatswain;</li> <li>b. buffer;</li> <li>c. helmsmen;</li> <li>d. jimmy;</li> <li>e. killick;</li> <li>f. sin boatswain;</li> <li>g. tiffy; and</li> <li>h. yeoman.</li> </ol>	Interactive Lecture	5 min	C1-049
TP2	Define naval terminology, to include: <ol style="list-style-type: none"> <li>a. binnacle;</li> <li>b. bravo zulu;</li> <li>c. dhobey;</li> <li>d. foul;</li> <li>e. irish pennants;</li> <li>f. make and mend;</li> <li>g. pusser;</li> <li>h. silent hours; and</li> <li>i. tiddley.</li> </ol>	Interactive Lecture	5 min	C1-049 C1-053 (p. 95)

TP	Description	Method	Time	Refs
TP3	Define naval orders, to include: a. ahoy; b. avast; c. batten down; d. cast off; e. check away; f. haul taut; and g. walk back.	Interactive Lecture	5 min	C1-049
TP4	Conduct an activity allowing the cadets to define naval positions/appointments, terminology, and orders.	In-Class Activity	10 min	

5. **Time:**

- |    |                            |        |
|----|----------------------------|--------|
| a. | Introduction / Conclusion: | 5 min  |
| b. | Interactive Lecture:       | 15 min |
| c. | In-Class Activity:         | 10 min |
| d. | Total:                     | 30 min |

6. **Substantiation:**

- An interactive lecture was chosen for TP1 to TP3 to introduce and provide an overview of naval positions/appointments, terminology and orders.
- An in-class activity was chosen for TP4, as it is an interactive way to provoke thought and stimulate interest among the cadets, while confirming the cadets' comprehension of naval terminology.

7. **References:**

- C1-043 Ready Aye Ready. *JackSpeak*. Retrieved 16 February 2007, from <http://www.readyayeready.com/jackspeak/index.htm>.
- C1-053 (ISBN 0-88879-027-9) Russell, E.C. (1980). *Customs and Traditions of the Canadian Armed Forces*. Ottawa, ON: Deneau and Greenberg.

8. **Training Aids:** Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area.9. **Learning Aids:** Handout located at A-CR-CCP-602/PF-001, Chapter 12, Annex I.10. **Test Details:** N/A.11. **Remarks:** N/A.

**EO C223.02**

1. **Performance:** Pipe the Side
2. **Conditions:**
  - a. Given:
    - (1) Boatswain's call;
    - (2) cleaning supplies;
    - (3) supervision; and
    - (4) assistance as required.
  - b. Denied: N/A.
  - c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.
3. **Standard:** In accordance with specified references, the cadet shall pipe the Side.

4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Identify the purpose of the Side.	Interactive Lecture	5 min	C1-043 C1-046 (p. 454)
TP2	Demonstrate, explain, and have the cadets practice piping the Side, to include: <ol style="list-style-type: none"> <li>a. note sequence; and</li> <li>b. timings.</li> </ol>	Demonstration and Performance	20 min	C1-043 A1-022

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 TP1 to introduce the Side and provide an overview of its purpose.
- b. Demonstration and performance was chosen for TP2 as it allows the instructor to explain and demonstrate the Side while providing an opportunity for the cadets to practice piping the call under supervision.

7. **References:**

- a. A1-022 Canadian Navy. (2006). *Youth Section-Pipe Sounds*. Retrieved 29 February 2007, from [http://www.navy.forces.gc.ca/cms\\_youth/youth\\_articles\\_e.asp?id=500](http://www.navy.forces.gc.ca/cms_youth/youth_articles_e.asp?id=500).

- b. C1-043 Ready Aye Ready. (ND). *The Boatswain's Call*. Retrieved 19 February 2007, from <http://www.readyayeready.com/navy-life/boatswains-call.htm>.
- c. C1-049 (ISBN 0-11-771958-7) Royal Navy. (1967). *Admiralty Manual of Seamanship 1964 (Vol. 2)*. Cambridge, England: Her Majesty's Stationery Office.

8. **Training Aids:**

- a. Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area;
- b. Boatswain's call; and
- c. Cleaning supplies.

9. **Learning Aids:**

- a. Boatswain's call; and
- b. Handout located at A-CR-CCP-602/PF-001, Chapter 12, Annex J.

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

11. **Remarks:**

- a. Instructors can find audio samples of the Side at reference A1-022 that may be played for the cadets during this lesson.
- b. Ensure the boatswain's calls are cleaned with a cleaning solution in between uses.