EO C325.01 – COMMUNICATE DURING AN EXPEDITION

1. **Performance.** Communicate During an Expedition.

2. **Conditions**

   a. Given:

      (1) Hand-held radio,

      (2) Batteries,

      (3) Flashlight,

      (4) Supervision, and

      (5) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Classroom or training area large enough to accommodate the entire group.

3. **Standard.** The cadet shall communicate during an expedition by:

   a. operating a hand-held radio, and

   b. employing an alternative emergency communication method to transmit a Morse code, Save Our Souls (SOS).

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Explain the elements of radio etiquette, to include: a. appropriate language, b. enunciation, and c. no duffs.	Interactive Lecture	5 min	A2-034 (pp. 1-1 to 1-4)
TP2	Describe the phonetic alphabet, to include: a. purpose, b. uses, c. structure, and d. pronunciation of numerals.	Interactive Lecture	10 min	A2-034 (pp. 1-1 to 1-6)

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TP	Description	Method	Time	Ref
TP3	Identify and briefly describe the parts of a hand-held radio, to include: a. on-off/volume knob, b. light-emitting diode (LED), c. push-to-talk button (PTT), d. speaker, e. antenna, f. accessory jack, g. menu scroll/channel/frequency selector, h. microphone, i. battery cover, and j. battery cover latches.	Interactive Lecture	5 min	C0-069 (p. 11, p. 12)
TP4	Explain, demonstrate and have the cadet practice using a hand-held radio: a. turning the radio on and off; b. adjusting frequencies; c. operating the PTT button, to include: (1) pressing the PTT button; (2) observing a standard pause; (3) speaking loudly, clearly and briefly; and (4) releasing the PTT button; and d. changing the batteries, to include: (1) lifting battery latch to release battery cover; (2) removing the battery cover; (3) inserting batteries; (4) replacing the battery compartment cover; and (5) discarding spent batteries safely.	Demonstration and Performance	15 min	C0-069 (pp. 13–18) Local manuals
TP5	Explain, demonstrate and have the cadet practice radio communication, to include: a. using call signs; b. understanding transmission sequence; and c. conducting radio checks, to include: (1) initiating; and (2) responding by employing radio strength and clarity terms.	Demonstration and Performance	20 min	A2-034 (pp. 3-7 to 3-9)
TP6	Explain, demonstrate and have the cadet transmit an SOS message by Morse code with sound and with light.	Demonstration and Performance	10 min	C1-003 (p. 351, p. 352)

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TP	Description	Method	Time	Ref
TP7	Discuss alternative methods of communication, to include: a. satellite phones, b. cellular telephones, and c. personal locator beacon.	Interactive Lecture	10 min	C2-016 (p. 64, p. 65)
TP8	Conduct a communication activity where the cadet will practice: a. employing the phonetic alphabet during radio communications; b. beginning and ending radio transmissions; c. conducting a radio check; and d. transmitting an SOS message using Morse code.	Practical Activity	40 min	

5. **Time**

a.	Introduction/Conclusion:	5 min
b.	Interactive Lecture:	30 min
c.	Demonstration and Performance:	45 min
d.	Practical Activity:	40 min
e.	Total:	120 min

6. **Substantiation**

a. An interactive lecture was chosen for TPs 1–3 and TP 7 to introduce communicating using basic voice procedures, familiarizing the cadet with the parts of the hand-held radio and alternative methods of emergency communication.

b. Demonstration and performance was chosen for TPs 4–6 as it allows the instructor to demonstrate and explain the communication skills the cadet is expected to acquire, while providing an opportunity for the cadet to practice basic voice procedures, transmitting messages over a radio net, and using alternative methods of communication under the supervision of an instructor.

c. A practical activity was chosen for TP 8 as it is an interactive way to for the cadet to practice communicating with a hand-held radio using basic voice procedures and transmitting a message using an alternative method of communication. This activity contributes to the cadets' development of communication skills in a fun and challenging setting.

7. **References**

a. A2-034 ACP 125 CANSUPP Department of National Defence. (1984). *Radiotelephone Procedure for the Canadian Forces* (Land Environment). Ottawa, ON: Department of National Defence.

b. C0-069 Motorola Inc. (2004). *Talkabout FRS/GMRS Recreational Two-Way Radios Models T5000, T5500, T5550 User's Guide*.

c. C1-003 (ISBN 11-770973-5) Royal Navy. (1972). *Admiralty Manual of Seamanship* (Vol. 1). London, England: Her Majesty's Stationary Office.

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d. C2-016 (ISBN 1-4000-5309-9) Curtis, R. (2005). *The Backpacker's Field Manual: A Comprehensive Guide to Mastering Backcountry Skills*. New York, NY: Three Rivers Press.

8. **Training Aids**

a. Hand-held radio,

b. Batteries,

c. Flashlight,

d. Phonetic alphabet and pronunciation of numbers handout, and

e. Radio communication exercise.

9. **Learning Aids**

a. Hand-held radio (one per four cadets),

b. Batteries,

c. Flashlight (one per four cadets)

d. Phonetic alphabet and pronunciation of numbers handout (one per four cadets), and

e. Radio communication exercise (one per four cadets).

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

11. **Remarks.** Hand-held radio models may vary. The instructor will be responsible for consulting the owner's manual for detailed instructions on radio operation.

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