

**SECTION 8****PO 406 – FIRE THE CADET AIR RIFLE DURING RECREATIONAL MARKSMANSHIP**

1. **Performance:** Fire the Cadet Air Rifle During Recreational Marksmanship
2. **Conditions:**
  - a. Given:
    - (1) Cadet air rifle,
    - (2) Cadet air rifle sling,
    - (3) Air rifle pellets,
    - (4) Target frame,
    - (5) Suitable target,
    - (6) Shooting mat,
    - (7) Safety glasses / goggles,
    - (8) Supervision, and
    - (9) Assistance as required.
  - b. Denied: Nil.
  - c. Environmental: Air rifle range constructed IAW Chapter 1, Section 8 of A-CR-CCP-177/PT-001, *Canadian Cadet Movement: Cadet Marksmanship Program Reference Manual*.
3. **Standard:** IAW A-CR-CCP-177/PT-001, *Canadian Cadet Movement: Cadet Marksmanship Program Reference Manual*, the cadet will fire the cadet air rifle during recreational marksmanship by:
  - a. carrying out safety precautions;
  - b. applying basic marksmanship techniques; and
  - c. following the rules and commands given on a range.
4. **Remarks:** All range practices must be conducted by a Range Safety Officer (Air Rifle) (RSO AR).
5. **Complementary Material:**
  - a. Complementary material associated with PO 406 is designed to provide opportunities for cadets to act as a range assistant, specifically:
    - (1) EO C406.01 (Assist the Range Safety Officer), and
    - (2) EO C406.02 (Score Air Rifle Marksmanship Targets).
  - b. Some complementary training offered in previous phases may be selected as complementary training in the Phase Four Program, specifically:
    - (1) EO C306.01 (Identify Civilian Marksmanship Organizations),
    - (2) EO C306.02 (Correct Marksmanship Error),
    - (3) EO C306.03 (Adopt the Standing Position With the Cadet Air Rifle), and
    - (4) EO C106.01 (Participate in a Recreational Marksmanship Activity).

- c. When selecting complementary material from previous star levels, training staff shall review the applicable performance objective, lesson specification, and instructional guide.
- d. Corps choosing EO C306.03 (Adopt the Standing Position With the Cadet Air Rifle) in either the Silver Star or Phase Four Program may follow this training with EO C106.01 (Participate in a Recreational Air Rifle Marksmanship Activity) from the standing position.
- e. Corps choosing to instruct EO C406.01 (Perform the Duties of a Range Assistant) should allow cadets to fill roles on the range during air rifle marksmanship practices.

**EO M406.01 – PARTICIPATE IN A RECREATIONAL MARKSMANSHIP ACTIVITY**

1. **Performance:** Participate in a Recreational Marksmanship Activity
2. **Conditions:**
  - a. Given:
    - (1) Cadet air rifle,
    - (2) Cadet air rifle sling,
    - (3) Air rifle pellets,
    - (4) Target frame,
    - (5) Target,
    - (6) Shooting mat,
    - (7) Safety glasses / goggles,
    - (8) Supervision, and
    - (9) Assistance as required.
  - b. Denied: Nil.
  - c. Environmental: Air rifle range constructed IAW Part 1, Section 8 of A-CR-CCP-177/PT-001.
3. **Standard:** The cadet shall participate in a recreational marksmanship activity.
4. **Teaching Points:**
  - a. Conduct a range briefing, to include:
    - (1) explaining pertinent sections of range standing orders;
    - (2) reviewing general rules observed on all ranges;
    - (3) reviewing commands used on an air rifle range;
    - (4) describing the layout of the range; and
    - (5) reviewing hand-washing procedures on completion of firing.
  - b. Supervise the cadet's participation in a recreational marksmanship activity, choosing from the following categories:
    - (1) classification,
    - (2) fun activities,
    - (3) timed activities, and
    - (4) competitive team / individual activities.

5. **Time:**

- |                               |        |
|-------------------------------|--------|
| a. Introduction / Conclusion: | 10 min |
| b. Practical Activity:        | 80 min |
| c. Total:                     | 90 min |

6. **Substantiation:** A practical activity was chosen for this lesson as it is an interactive way to allow the cadet to experience recreational marksmanship in a safe and controlled environment. This activity contributes to the development of marksmanship skills and knowledge in a fun and challenging setting.

7. **References:**

- a. A0-027 A-CR-CCP-177/PT-001 Director Cadets 3. (2005). *Canadian cadet movement: Cadet marksmanship program reference manual*. Ottawa, ON: Department of National Defence.
- b. A0-041 CATO 14-41 Director Cadets 4. (2007). *Marksmanship, rifles and ammunition*. Ottawa ON: Department of National Defence.

8. **Training Aids:**

- a. Cadet air rifle,
- b. Cadet air rifle sling,
- c. Air rifle pellets,
- d. Target frame,
- e. Target,
- f. Shooting mat,
- g. Safety glasses / goggles,
- h. Stopwatch, and
- i. Pen / pencil.

9. **Learning Aids:**

- a. Cadet air rifle,
- b. Cadet air rifle sling,
- c. Air rifle pellets,
- d. Target frame,
- e. Target,
- f. Shooting mat, and
- g. Safety glasses / goggles.

10. **Test Details:** Nil.

11. **Remarks:**

- a. Hand-washing stations must be available for cleanup after the activity is completed.
- b. Cadets may fire in the standing position if they have previously received the training during C306.03 (Adopt the Standing Position With the Cadet Air Rifle).
- c. Corps choosing to instruct EO C406.01 (Assist the Range Safety Officer) should allow cadets to fill these roles during air rifle marksmanship activities.
- d. This activity provides opportunities for cadets to complete a leadership assignment as outlined in PO 403 (Act as a Team Leader).

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**EO C406.01 – ASSIST THE RANGE SAFETY OFFICER (RSO)**

1. **Performance:** Assist the Range Safety Officer (RSO)
2. **Conditions:**
  - a. Given:
    - (1) Supervision, and
    - (2) Assistance as required.
  - b. Denied: Nil.
  - c. Environmental: Air rifle range constructed IAW Chapter 1, Section 8 of A-CR-CCP-177/PT-001, *Canadian Cadet Movement: Cadet Marksmanship Program Reference Manual*.
3. **Standard:** The cadet shall assist the RSO, to include:
  - a. setting up and dismantling an air rifle range;
  - b. acting as the pellet controller;
  - c. acting as a range sentry;
  - d. acting as a firing point assistant; and
  - e. scoring targets.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Discuss ways to assist the RSO, to include: <ol style="list-style-type: none"> <li>a. setting up an air rifle range, to include:               <ol style="list-style-type: none"> <li>(1) posting warning signals;</li> <li>(2) setting up equipment at the backstop;</li> <li>(3) indicating firing lanes;</li> <li>(4) placing equipment at the firing point;</li> <li>(5) placing equipment behind the firing point; and</li> <li>(6) placing the cadet air rifle at the firing point; and</li> </ol> </li> <li>b. dismantling an air rifle range, to include:               <ol style="list-style-type: none"> <li>(1) storing the cadet air rifle;</li> <li>(2) storing the equipment behind the firing point;</li> <li>(3) storing the equipment at the firing point;</li> <li>(4) cleaning the backstop area;</li> <li>(5) cleaning the firing lanes; and</li> <li>(6) removing the warning signals;</li> </ol> </li> </ol>	Group Discussion	25 min	A0-027 (pp. 1-9-1 to 1-8-3, pp. 4-4-14 to 4-4-16)  A0-041 (pp. E1-1/8 to E1-8/8)

TP	Description	Method	Time	Refs
	<p>c. controlling pellets, to include:</p> <ul style="list-style-type: none"> <li>(1) maintaining possession of the pellets at all times;</li> <li>(2) distributing pellets;</li> <li>(3) disposing of pellets;</li> <li>(4) recording the number of pellets used during the activity; and</li> <li>(5) recording the number of pellets used for each rifle;</li> </ul> <p>d. performing the role of a range sentry, to include:</p> <ul style="list-style-type: none"> <li>(1) restricting access to the range during firing;</li> <li>(2) controlling range warning signals; and</li> <li>(3) notifying the RSO of safety concerns inside / outside the range area;</li> </ul> <p>e. assisting on the firing point, to include:</p> <ul style="list-style-type: none"> <li>(1) supervising firers responding to range commands;</li> <li>(2) assisting firers as necessary;</li> <li>(3) correcting errors; and</li> <li>(4) notifying the RSO of safety concerns; and</li> </ul> <p>f. scoring targets.</p>			

5. **Time:**

a. Introduction / Conclusion:	5 min
b. Group Discussion:	25 min
c. Total:	30 min

6. **Substantiation:** A group discussion was chosen for this lesson as it allows the cadets to interact with their peers and share their knowledge, experiences, opinions, and feelings about assisting the RSO. Sharing in the discussion encourages the cadet to examine their own thoughts and feelings and may prompt them to re-examine their previously held ideas. Participating in a group discussion improves the cadet's listening skills and team development.

7. **References:**

- a. A0-027 A-CR-CCP-177/PT-001 Director Cadets 3. (2005). *Cadet marksmanship program: Reference manual*. Ottawa, ON: Department of National Defence.
- b. A0-041 CATO 14-41 Director Cadets 4. (2009). *Authorized rifle training*. Ottawa, ON: Department of National Defence.

8. **Training Aids:** Nil.
9. **Learning Aids:** Assist the RSO handout.
10. **Test Details:** Nil.
11. **Remarks:** Cadets will assist the RSO during marksmanship activities, specifically EO M406.01 (Participate in a Recreational Marksmanship Activity) and EO C106.01 (Participate in a Recreational Marksmanship Activity).

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**EO C406.02 – SCORE AIR RIFLE MARKSMANSHIP TARGETS**

1. **Performance:** Score Air Rifle Marksmanship Targets
2. **Conditions:**
  - a. Given:
    - (1) Exercise targets,
    - (2) Air rifle grouping template,
    - (3) .177 scoring magnifier,
    - (4) Supervision, and
    - (5) Assistance as required.
  - b. Denied: Nil.
  - c. Environmental: Classroom or training area large enough to accommodate the entire group.
3. **Standard:** The cadet shall score air rifle marksmanship targets, to include:
  - a. grouping targets, and
  - b. competition targets.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Describe air rifle marksmanship targets, to include: <ol style="list-style-type: none"> <li>a. CCM air rifle grouping targets,</li> <li>b. CCM competition targets, and</li> <li>c. non-standard targets.</li> </ol>	Interactive Lecture	5 min	A0-027 (p. 1-9-1)
TP2	Explain, demonstrate and have the cadets score the CCM Air Rifle Grouping Target by: <ol style="list-style-type: none"> <li>a. determining there are five shots in the grouping;</li> <li>b. aligning the air rifle grouping template over the five-shot grouping so that all shots are within a scoring ring;</li> <li>c. determining if the grouping will fit within the next smallest ring without touching the scoring ring;</li> <li>d. repeating as required until the grouping will not fit within the next smallest scoring ring without touching the scoring ring;</li> <li>e. recording the grouping size on the target; and</li> <li>f. determining the classification category.</li> </ol>	Demonstration and Performance	10 min	A0-027 (pp. 1-9-1 to 1-9-2)  A0-041 (p. C-3/6)

TP	Description	Method	Time	Refs
TP3	<p>Explain, demonstrate and have the cadets score the CCM Competition Target by:</p> <p>a. determining the score on each diagram by:</p> <p>(1) determining the value by inspecting with the naked eye; and</p> <p>(2) determining the value using the .177-scoring magnifier by:</p> <p>(a) aligning a scoring magnifier over the pellet hole;</p> <p>(b) awarding the higher value where a shot touches a scoring ring or breaks a scoring ring; and</p> <p>(c) awarding the lower value where a gap exists between the shot and a scoring ring;</p> <p>b. calculating any penalties; and</p> <p>c. recording the score on the target.</p> <p>Note: If scoring plugs and templates are required to determine a value, they shall be used under the supervision of an Air Rifle Marksmanship Instructor / Air Rifle Range Safety Officer.</p>	Demonstration and Performance	10 min	A0-027 (pp. 1-9-2 to 1-9-4)

5. **Time:**

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

6. **Substantiation:**

- An interactive lecture was chosen for TP 1 to orient the cadets to the targets used during air rifle marksmanship activities and to generate interest.
- A demonstration and performance was chosen for TPs 2 and 3 as it allows the instructor to explain and demonstrate scoring grouping and competition targets while providing an opportunity for the cadets to practice under supervision.

7. **References:**

- A0-027 A-CR-CCP-177/PT-001 Director Cadets 3. (2005). *Cadet marksmanship program: Reference manual*. Ottawa, ON: Department of National Defence.
- A0-148 CATO 14-43 Director Cadets 4. (2009). *Marksmanship program*. Ottawa, ON: Department of National Defence.

8. **Training Aids:**
  - a. Presentation aids (eg, whiteboard / flip chart / OHP) appropriate for classroom / training area,
  - b. Exercise targets,
  - c. Air rifle grouping template, and
  - d. .177 scoring magnifier.
9. **Learning Aids:**
  - a. Exercise targets,
  - b. Air rifle grouping template,
  - c. .177 scoring magnifier, and
  - d. Pencil.
10. **Test Details:** Nil.
11. **Remarks:** Nil.