



WEAPONS

VOLUME 5

# THE MACHINE-GUN .50 CAL M2 (ENGLISH)

**(Replaces B-GL-317-014/PT-001, Mod 3 dated 1991-11-01)**

## WARNING

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**Issued under the authority of the Chief of the Land Staff**

# Canada





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## PREFACE

### AIM

1. The aim of this publication is to provide instructors with the information and documentation necessary to train candidates, and to provide them with a reference work to accompany them as they learn how to handle the weapon on operations.

### LAYOUT

2. The pamphlet is written in lesson plan format and divided into 6 chapters. The chapters are progressive. The chapters are as follows:
- a. **Chapter 1—Basic Drills.** This chapter contains the drills and information to allow the user to operate the gun safely and effectively in the ground role. This includes: maintenance, weapon handling, firing drills and stoppages. This chapter should be taught before progressing to other chapters;
  - b. **Chapter 2—Tactical Handling.** This chapter contains information required to effectively and safely act as a gun team in the ground role. This include duties and responsibilities, firing and correction and recording of targets. Chapter 1 must be taught prior to this chapter;
  - c. **Chapter 3—Tactical Employment.** This chapter contains information such as: Fire control, the role and deployment of the gun and tactical employment in the ground role;
  - d. **Chapter 4—Special to Role.** This chapter contains the drills and information to allow the user to operate the gun safely and effectively in special to role situations. This includes: Air Defence and vehicle borne mounts. Chapter 1 should be taught prior to this chapter;
  - e. **Chapter 5—Turret Mounted Weapons.** This chapter contains the drills and information to allow the user to operate the gun safely and effectively from a turret. This includes: handling drills and stoppages. Chapter 1 should be taught prior to this chapter; and
  - f. **Chapter 6—Additional Information for Instructors.** This chapter contains additional information for the instructor such as: preparatory work, weapon handling tests, fitting of the blank firing attachment and zeroing.

### PRESENTATION OF THE MATERIAL

3. The information contained in Chapters 1 to 6 is presented in the form of lesson plans which are based on best-practices within the military learning sequence. The lessons are progressive, relevant and simple.

4. Throughout the publication candidates are encouraged to work as a team where applicable. Unless specified (i.e. ...the gunner will...) the tasks taught can be executed by any team member. In brackets will be the suggested team member to execute a particular responsibility, these suggestions are only a guide. Most figures will have an arrow pointing to a part and a letter indicator. The letters on the illustration will correspond with the relevant letters and names beneath the figure and not necessarily the sub-paragraph within the text.

5. Instructors will prepare their lessons in accordance with the approved teaching methods used by the Canadian Forces so as to instruct progressively. The instruction must include frequent, clever checks of the knowledge acquired. Maximum physical participation of candidates is required in all lessons dealing with weapons. The candidates' interest must be captured in order to motivate them. The candidates' motivation increases when they are given the results of their tests and shooting scores.

## **MISUSE OF WEAPONS, AMMUNITION AND EXPLOSIVES**

6. This order outlines Canadian Forces (CF) Policy governing the use or misuse of weapons, ammunition and explosives.

### **WEAPONS**

7. Firing or attempting to fire locally manufactured weapons, obsolete service or foreign weapons or weapons used for display, ceremonial or trophy purposes in museums, messes, parade grounds, armouries or suchlike areas is prohibited except when specifically authorized by National Defence Headquarters (NDHQ).

8. Attention is also drawn to the following references which concern offences connected with the use or misuse of weapons:

- a. *National Defence Act*, Section 117;
- b. *Criminal Code of Canada*, Sections 82 to 106; and
- c. QR&O 103.59.

### **AMMUNITION AND EXPLOSIVES**

9. Tampering with or use of service and commercial operation or explosives for other than their designated purpose is prohibited.

10. Except as prescribed in para 11, the modification, breakdown or sectioning of live ammunition for experimental, instructional or any other purpose, or manufacture of explosives is forbidden. This prohibition includes:

- a. unauthorized interchange of fuzes or primers or both;
- b. experiments with blank ammunition to alter the powder charge or to introduce any other substance into the cartridge case or into the weapon with the approved cartridge;