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GENERAL INFORMATION

This subcourse consists of one or more lessons and an examination. Each of the lessons is divided into two parts; the text and the lesson exercises. For one lesson subcourses the lesson exercises serve as the examination. A heading at the beginning of each lesson gives the title, the hours of credit, and the objectives of the lesson. The final examination consists of questions covering the entire subcourse.

If a change sheet is included, be sure to post the changes before starting the subcourse.

THE TEXT

All the text material required for this subcourse is provided in the packet. The text is the information you must study. Read this very carefully. You may keep the text; however, any unused answer cards and envelopes should be returned.

THE LESSON EXERCISES

Following the text of each lesson are the lesson exercises. After you have studied the text of each lesson, answer the lesson exercises. After you have answered all the questions, go back to the text and check your answers. Remember your answers should be based on what is in the text and not on your own experience or opinions. If there is a conflict, use the text in answering the question.

When you are satisfied with your answers, check them against the answer sheet attached to your exam. Re-study those areas where you have given an incorrect answer by checking the reference given after each answer.

THE EXAMINATION

After you have completed all the lessons and exercises, select the correct answer to all the examination questions. Carefully punch out the correct answer on the exam cards. Be sure to include your social security number, subcourse number, and signature. Final exam cards should be mailed in the envelope provided. The exam will be graded and you will be notified of the results. Your final grade for the subcourse will be the same as your examination grade.

ASSISTANCE

If you require clarification of anything in this subcourse write to us. Also, if you see any information in the text which is incorrect or obsolete, your recommendations will be welcome. Be sure your recommendations are explained in detail, and, if possible, include a reference which gives the correct information. Include your name and social security number. Address all correspondence to:

COMMANDANT

U. S. Army Missile and Munitions Center and School

ATTN: ATSK-CTD-A

Redstone Arsenal, Alabama 35809



**CORRESPONDENCE COURSE
OF THE
U. S. ARMY MISSILE AND MUNITIONS
CENTER AND SCHOOL**

**MMS SUBCOURSE NUMBER 150, NIKE RADARS AND COMPUTER
(26 Credit Hours)**

INTRODUCTION

During peacetime or wartime the large industrial areas of the free world are vital to the well-being and security of our people. In these areas many types of raw materials and finished products are processed to meet our demands. Because these areas are so important to us they are considered targets by our enemies. These areas must be protected by our best efforts and technology.

Nike missile systems, with long range and high altitude capabilities, are part of our web of air defense for all North America. This subcourse covers the history, capabilities, and basic functions of major units of the Nike system and is written to give you a basic understanding of its operation. This subcourse is applicable to duty requirements of MOS 22L, 22N, 23N, 23U, 23W50, and 251B.

This subcourse consists of eight lessons and an examination organized as follows:

Lesson 1	Introduction to the Improved Nike Hercules Missile System	2 hours
Lesson 2	LOPAR Acquisition Radar	4 hours
Lesson 3	HIPAR Acquisition Radar	4 hours
Lesson 4	Track Radar Systems	4 hours
Lesson 5	Target Ranging Radar	2 hours
Lesson 6	Nike Hercules Computer	3 hours
Lesson 7	Nike Hercules Computer Steering and Recording	2 hours
Lesson 8	Target Simulator	3 hours
	Examination	2 hours