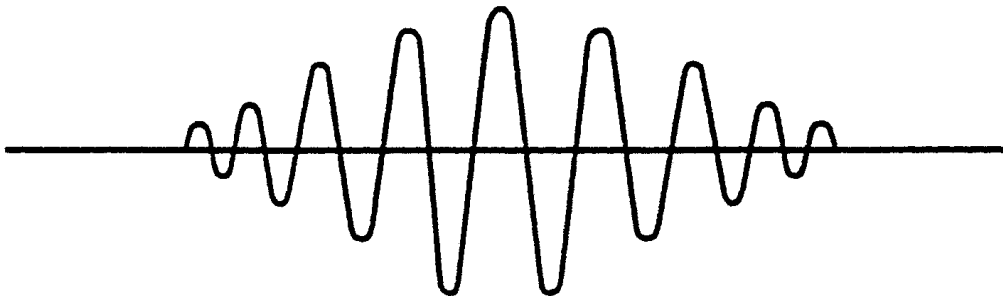


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If you have access to a computer with internet capability and can receive e-mail, we recommend that you use this means to communicate with our subject matter experts. Even if you're not able to receive e-mail, we encourage you to submit content inquiries electronically. Simply include a commercial or DSN phone number and/or address on the form provided. Also, be sure to check the Frequently Asked Questions file at the site before posting your inquiry.



Fundamentals of Electricity Course

**BASIC ELECTRICITY
PART I**

***SUBCOURSE MM0703**

US Army Ordnance, Missile and Munitions Center and School

*This subcourse supersedes lessons 2, 3, 4, and 5 of Basic Electricity, MM0704.

This publication is provided for nonresident instruction only. It reflects the current thought of this school and conforms to published Department of the Army doctrine as closely as possible.

Users of this publication are encouraged to recommend changes and submit comments for its improvement. Comments should be keyed to the specific page and line of the text to which the change is recommended. Reasons will be provided for each comment to insure understanding and complete evaluation.

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INTRODUCTION

This is the second of three subcourses on basic electricity. The first subcourse is a review of the mathematics necessary for the study of electricity. This subcourse includes the electron theory, magnetism, inductance, capacitance, and alternating and direct currents. The third subcourse includes resonance, filters, generators, motors, and transformers.

As a missile repairer, an understanding of basic electricity is a must for doing your job. Whether you are new to missile repair or have been in the field for a while, this subcourse will help you sharpen your skills and increase your knowledge.

Supplementary Requirements

There are no supplementary requirements in material or personnel for this subcourse. You will need only this book and will work without supervision.

Credit Hours

Fifteen credit hours will be awarded for the successful completion of this subcourse--a score of at least 75 on the end-of-subcourse examination.

Administrative Instructions

Change Sheets. If a change sheet has been sent to you with this subcourse, be sure you post the changes in the book before starting the subcourse.

Errors on TSC Form 59. Before you begin this subcourse, make sure that the information already typed on your TSC Form 59 (ACCP Examination Response Sheet) is correct. You will find the correct subcourse number and subcourse edition number on the front cover of this book. If any of the information on your TSC Form 59 is incorrect, write to:

The Army Institute for Professional Development (IPD)
US Army Training Support Center
Newport News, VA 23628-0001

A new, correctly filled-out form will be sent to you. Do not correct the form yourself or send it to IPD.

Questions, Changes, Corrections. If you have questions about enrollment or other administrative matters, write to IPD. If a change occurs or a correction needs to be made in your status (name, grade, rank, address, unit of assignment, etc.) notify IPD as soon as possible. These kinds of changes or corrections can be sent along on a separate sheet of paper with your completed TSC Form 59.

Correspondence with IPD. In any correspondence with IPD, always write your name, Social Security Number, and the school code of your enrollment on each page.

Grading and Certification Instructions

When you have completed the subcourse, review any of the material covered that you are not sure of. Then take the end-of-subcourse examination. When you have completed the examination in the book, you must transfer your answers to TSC Form 59. The instructions on the form itself tell you how to mark your answers on it. Follow the instructions carefully.

Once you have transferred your answers to the TSC Form 59, fold the form as it was folded when sent to you. Do not staple or mutilate this form! Place the form in the self-addressed envelope provided and mail it to IPD. No postage is needed. TSC Form 59 is the only material that you are required to return to IPD. If you return it as soon as you have completed this subcourse, you will get your next subcourse sooner.

Grading. The highest score possible on the end-of-subcourse examination is 100. The grade structure for all ACCP subcourses is given below:

| | |
|----------------|--------|
| Superior | 95-100 |
| Excellent | 85-94 |
| Satisfactory | 75-84 |
| Unsatisfactory | 0-74 |

Your TSC Form 59 will be machine graded, and you will be notified of the results. Your grade on the examination will be your grade for the subcourse. No credit is given for grades below satisfactory (75).

Certificates. When you have completed the subcourse successfully, IPD will send you a subcourse completion certificate. Keep it with your other personal copies of personnel material. Subcourse completion certificates can be used to support accreditation and other personnel actions.

***** IMPORTANT NOTICE *****

**THE PASSING SCORE FOR ALL ACCP MATERIAL IS NOW 70%.
PLEASE DISREGARD ALL REFERENCES TO THE 75% REQUIREMENT.**