



NONRESIDENT TRAINING COURSE



July 1996

Signalman 1 & C

NAVEDTRA 14243

NOTICE

Pages 5-2, 5-3, 7-10, 8-16, 9-13, 9-14, 9-16, 9-17, 9-18, 9-23, 9-24, 9-25, 9-26, 9-27, 9-28, 9-29, 9-30, 10-5, 10-7, 10-8, 10-19, 10-20, 10-22, 12-11, 12-12, 12-14, and 12-15, must be printed on a **COLOR** printer.

Although the words “he,” “him,” and “his” are used sparingly in this course to enhance communication, they are not intended to be gender driven or to affront or discriminate against anyone.

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ERRATA #2

Specific Instructions and Errata for
Training Manual

SIGNALMAN

1. No attempt has been made to issue corrections for errors in typing, punctuation, etc.

2. Textbook, SIGNALMAN

Make the following changes:

- a. Page 3-2, last paragraph in left column, CHANGE "abbreviated codress" to "abbreviated plaindress."
- b. Page 3-2, Figure 3-1, right column, ADD "FM... Originator's Sign."
- c. Page 6-7, left column, transmission example, in Station A Transmits, CHANGE "AR" to "KFLN AR" in 3rd line. In Station B Transmits, Delete 2nd KFLN in 2nd line.
- d. Page 6-10, left column, commonly used signals, ADD "Z *I require a tug."
- e. Page 8-3, left column, paragraph 5, DELETE last sentence, "You will learn more about how to solve maneuvering board problems in Signalman, volumn II."
- f. Page 12-14, Figure 12-9, last row of flags, 2nd pair, CHANGE the white flag to a blue flag with two vertical strips.
- g. Page 13-22, right column, Sequence of Uprights, CHANGE "H" to "G" for gantry.
- h. Throughout SIGNALMAN, NAVEDTRA 12104-A, CHANGE:
 - "ACP 129" or "ACP 168", to "ACP 130"
(books were combined)
 - "NWP 4" to "NWP 6-01"
 - "NWP 14" to "NWP 4-01.4"
 - "NWP 22-3" to "NWP 3-02.1"

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ERRATA #3

Specific Instructions and Errata for
Nonresident Training Course

SIGNALMAN 1 & C

1. No attempt has been made to issue corrections for errors in typing, punctuation, etc.
2. To receive credit for deleted questions, show this errata to your local course administrator (ESO/scorer). The local course administrator is directed to correct the course and the answer key by indicating the question(s) deleted.
3. Assignment booklet, SIGNALMAN 1 & C
Make the following changes:
 - a. Page 1, Textbook Assignment, CHANGE chapters "1 through 4, pages 1-1 through 4-46" to "2 through 4, pages 2-1 through 4-7."
 - b. Page 7, Textbook Assignment, CHANGE pages "4-30 through 7-20" to pages "4-7 through 7-6."
 - c. Page 13, Textbook Assignment, CHANGE pages "7-21 through 9-50" to pages "7-7 through 9-32."
 - d. Page 19, Textbook Assignment, CHANGE page "13-6" to "14-4."
 - e. Page 21, right hand column, text above question 4-35, CHANGE "4-50" to "4-47."
 - f. CHANGE "ACP 129" to "ACP 130" in the following items:

2-12	2-16	3-2	3-6
3-14	3-17	4-62	

NOTE: "ACP 129" and "ACP 168" have been combined and are now published as "ACP 130."
 - g. Items 2-16 and 4-68 CHANGE "NWP 4" to "NWP 6-01".
 - h. Item 4-35, CHANGE "NWP 22-3" to "NWP 3-02.1."
4. Delete the following questions:

1-45	1-59	1-71	1-73	4-72
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PREFACE

By enrolling in this self-study course, you have demonstrated a desire to improve yourself and the Navy. Remember, however, this self-study course is only one part of the total Navy training program. Practical experience, schools, selected reading, and your desire to succeed are also necessary to successfully round out a fully meaningful training program.

COURSE OVERVIEW: In completing this nonresident training course, you will demonstrate a knowledge of the subject matter by correctly answering questions on the following subjects: visual communications; signaling equipment; allied communications; honors and ceremonies; convoy communications; allied flaghoist procedures; international signaling; aircraft and ship identification; security and watchstanding duties.

THE COURSE: This self-study course is organized into subject matter areas, each containing learning objectives to help you determine what you should learn along with text and illustrations to help you understand the information. The subject matter reflects day-to-day requirements and experiences of personnel in the rating or skill area. It also reflects guidance provided by Enlisted Community Managers (ECMs) and other senior personnel, technical references, instructions, etc., and either the occupational or naval standards, which are listed in the *Manual of Navy Enlisted Manpower Personnel Classifications and Occupational Standards*, NAVPERS 18068.

THE QUESTIONS: The questions that appear in this course are designed to help you understand the material in the text.

VALUE: In completing this course, you will improve your military and professional knowledge. Importantly, it can also help you study for the Navy-wide advancement in rate examination. If you are studying and discover a reference in the text to another publication for further information, look it up.

*1996 Edition Prepared by
SMC(SW) Robert L. Kimmey
Reviewed by
SMC(SW) Andrew L. Cmehil*

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Sailor's Creed

“I am a United States Sailor.

I will support and defend the Constitution of the United States of America and I will obey the orders of those appointed over me.

I represent the fighting spirit of the Navy and those who have gone before me to defend freedom and democracy around the world.

I proudly serve my country's Navy combat team with honor, courage and commitment.

I am committed to excellence and the fair treatment of all.”

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INSTRUCTIONS FOR TAKING THE COURSE

ASSIGNMENTS

The text pages that you are to study are listed at the beginning of each assignment. Study these pages carefully before attempting to answer the questions. Pay close attention to tables and illustrations and read the learning objectives. The learning objectives state what you should be able to do after studying the material. Answering the questions correctly helps you accomplish the objectives.

SELECTING YOUR ANSWERS

Read each question carefully, then select the BEST answer. You may refer freely to the text. The answers must be the result of your own work and decisions. You are prohibited from referring to or copying the answers of others and from giving answers to anyone else taking the course.

SUBMITTING YOUR ASSIGNMENTS

To have your assignments graded, you must be enrolled in the course with the Nonresident Training Course Administration Branch at the Naval Education and Training Professional Development and Technology Center (NETPDTC). Following enrollment, there are two ways of having your assignments graded: (1) use the Internet to submit your assignments as you complete them, or (2) send all the assignments at one time by mail to NETPDTC.

Grading on the Internet: Advantages to Internet grading are:

- you may submit your answers as soon as you complete an assignment, and
- you get your results faster; usually by the next working day (approximately 24 hours).

In addition to receiving grade results for each assignment, you will receive course completion confirmation once you have completed all the

assignments. To submit your assignment answers via the Internet, go to:

<http://courses.cnet.navy.mil>

Grading by Mail: When you submit answer sheets by mail, send all of your assignments at one time. Do NOT submit individual answer sheets for grading. Mail all of your assignments in an envelope, which you either provide yourself or obtain from your nearest Educational Services Officer (ESO). Submit answer sheets to:

COMMANDING OFFICER
NETPDTC N331
6490 SAUFLEY FIELD ROAD
PENSACOLA FL 32559-5000

Answer Sheets: All courses include one “scannable” answer sheet for each assignment. These answer sheets are preprinted with your SSN, name, assignment number, and course number. Explanations for completing the answer sheets are on the answer sheet.

Do not use answer sheet reproductions: Use only the original answer sheets that we provide—reproductions will not work with our scanning equipment and cannot be processed.

Follow the instructions for marking your answers on the answer sheet. Be sure that blocks 1, 2, and 3 are filled in correctly. This information is necessary for your course to be properly processed and for you to receive credit for your work.

COMPLETION TIME

Courses must be completed within 12 months from the date of enrollment. This includes time required to resubmit failed assignments.

PASS/FAIL ASSIGNMENT PROCEDURES

If your overall course score is 3.2 or higher, you will pass the course and will not be required to resubmit assignments. Once your assignments have been graded you will receive course completion confirmation.

If you receive less than a 3.2 on any assignment and your overall course score is below 3.2, you will be given the opportunity to resubmit failed assignments. **You may resubmit failed assignments only once.** Internet students will receive notification when they have failed an assignment--they may then resubmit failed assignments on the web site. Internet students may view and print results for failed assignments from the web site. Students who submit by mail will receive a failing result letter and a new answer sheet for resubmission of each failed assignment.

COMPLETION CONFIRMATION

After successfully completing this course, you will receive a letter of completion.

ERRATA

Errata are used to correct minor errors or delete obsolete information in a course. Errata may also be used to provide instructions to the student. If a course has an errata, it will be included as the first page(s) after the front cover. Errata for all courses can be accessed and viewed/downloaded at:

<http://www.advancement.cnet.navy.mil>

STUDENT FEEDBACK QUESTIONS

We value your suggestions, questions, and criticisms on our courses. If you would like to communicate with us regarding this course, we encourage you, if possible, to use e-mail. If you write or fax, please use a copy of the Student Comment form that follows this page.

For subject matter questions:

E-mail: n314.products@cnet.navy.mil
Phone: Comm: (850) 452-1001, Ext. 1826
DSN: 922-1001, Ext. 1826
FAX: (850) 452-1370
(Do not fax answer sheets.)
Address: COMMANDING OFFICER
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For enrollment, shipping, grading, or completion letter questions

E-mail: fleetservices@cnet.navy.mil
Phone: Toll Free: 877-264-8583
Comm: (850) 452-1511/1181/1859
DSN: 922-1511/1181/1859
FAX: (850) 452-1370
(Do not fax answer sheets.)
Address: COMMANDING OFFICER
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NAVAL RESERVE RETIREMENT CREDIT

If you are a member of the Naval Reserve, you may earn retirement points for successfully completing this course, if authorized under current directives governing retirement of Naval Reserve personnel. For Naval Reserve retirement, this course is evaluated at 6 points. (Refer to *Administrative Procedures for Naval Reservists on Inactive Duty*, BUPERSINST 1001.39, for more information about retirement points.)

Student Comments

Course Title: Signalman 1 & C

NAVEDTRA: 14243 **Date:** _____

We need some information about you:

Rate/Rank and Name: _____ SSN: _____ Command/Unit _____

Street Address: _____ City: _____ State/FPO: _____ Zip _____

Your comments, suggestions, etc.:

<p>Privacy Act Statement: Under authority of Title 5, USC 301, information regarding your military status is requested in processing your comments and in preparing a reply. This information will not be divulged without written authorization to anyone other than those within DOD for official use in determining performance.</p>
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NETPDTC 1550/41 (Rev 4-00)

CHAPTER 1

INTRODUCTION TO VISUAL COMMUNICATION

Your choice to become a Signaller is a very good one. The Signaller rating is one of the oldest in the Navy, and visual communication—the first form of nautical communications—continues undiminished in importance today. You will find your job interesting, rewarding, and full of the satisfaction that comes of service to the Navy and the United States. At the level of operating forces, communications, as you will learn, is truly the voice of command in a visible way. The communication organization aboard ship is under the control of the commanding officer. In the transmission and reception of signals and messages, communicators actively participate in the exercise of command.

The fleet needs capable personnel in all ratings, because an effective naval force is only as good as the people who man the ships. Even with the most modern equipment, the force is seriously handicapped without competent personnel to operate and maintain that equipment. Good people are plentiful, but their capability depends on their training.

This manual contains the basic knowledge you need for advancement in the Signaller rating. Skills in personnel advancement requirements (PARS), including a performance test, also are required, but these can only be developed through practice and experience.

Personnel Qualification Standard (PQS) is a qualification for officers and enlisted personnel to perform certain duties. The Signaller PQS booklet, *Visual Communication*, NAVEDTRA 43354B, contains the fundamentals, systems, and watch stations recognized by CNET as the minimum qualification for Signaller supervisor aboard U.S. Navy ships. Included are expert lookout, flagbag operator, semaphore operator, searchlight operator, boat Signaller, amphibious Signaller, Signaller of the watch, in-port duty Signaller, recorder/messenger, signal bridge spotter, and AN/KAS-1 operator. This PQS will assist you in becoming a more productive member of the Signaller community.

As a part of the Navy's training program, *Signaller*, is designed to help you meet the occupational standards for advancement in the Signaller rating.

To become an expert is quite a challenge, and you will derive considerable satisfaction from mastering the art of signaling. Through your initiative, study, practice, and hard work, the time will come when your shipmates will look upon you as an expert.

THE SIGNALMAN RATING

LEARNING OBJECTIVES: State the purpose of a Signaller aboard ship. Identify five areas in which Signallers must be proficient.

All the planning, organizing, and training that go into the makeup of a signal gang are designed for one purpose—to perfect the Signaller's ability to transmit and receive messages vital to the operation of the ship. The Signaller mans the visual communication link with semaphore flags, flaghoist, and searchlights.

In addition to visual communications, a Signaller also must be proficient in navigation. Navigation duties include the reading, stowing, and correcting of charts; being able to help pilot a ship in restricted waters; and being familiar with the Rules of the Road, navigational aids, and using navigational equipment. (Navigational duties are discussed in chapter 9.) In addition, the Signaller must be skilled in voice radio operations and procedures; be able to properly render honors and ceremonies; be experienced in the principles of recognition and be quick to recognize personal flags and pennants of U.S. and foreign officers; be able to act as expert lookouts; and be able to demonstrate know how in many other related skills.

As a Signaller, you can expect to serve on a variety of ships—from the largest carrier to the smallest patrol craft—and at various shore commands. Aboard some ships, you may have to help with the navigation in addition to your visual signaling duties. On other ships you might practice only your visual signaling skills.

Now you know, in a general way, what is required of a Signaller. But you may ask, "What must I do to become a Signaller?" The demands are **A WILLINGNESS TO LEARN** and **A**