

**Navy Advancement Center**

**Web site: <http://www.advancement.cnet.navy.mil>**

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# **Advancement Handbook for Construction Electrician**

**This Advancement Handbook was last revised on: August 1999**

## **PREFACE**

The purpose of the Advancement Handbook is to help you focus your preparation for Navywide advancement-in-rating examinations. The bibliographies (BIBs) together with this handbook form a comprehensive examination study package. Since this handbook provides skill and knowledge components for each paygrade of the Construction Electrician (CE) rating, it helps you concentrate your study on those areas that may be tested. This feature will help you get the most out of your study time.

Each page in Parts 1 through Part 4 of this Advancement Handbook presents general skill areas, specific skill areas, the knowledge factors associated with each skill area, the pertinent references that address each skill, and the subject areas that may be covered on the examination. The skill statements describe the skills you are expected to perform for each paygrade. The skill statements are cumulative; that is, you are responsible for the skills for the paygrade you are competing for, your present paygrade, and all paygrades below.

Although this handbook is very comprehensive, it cannot cover all the tasks performed in the rating. As a result, the advancement examinations may contain questions more detailed than described in the “*Exam Expectations*” section of the skill areas.

Remember that advancement competition is keen, so your keys to advancement include not only comprehensive advancement examination study but also sustained superior performance.

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# Part 1

## Advancement Handbook for CE3

## Advancement Handbook for CE3

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| <i>General CE Skill Area</i>   | <b>Technical Administration</b>  |
| <i>A skill you are expected to perform from the General Skill Area above:</i>                                  | <b>Read drawing, specification, and electrical diagrams</b>  |
| <i>Knowledge you should have to perform this skill:</i>  | <ul style="list-style-type: none"> <li>• Read blueprints.</li> <li>• Read project specifications.</li> <li>• Identify types of construction drawings and diagrams.</li> <li>• Identify common electrical symbols.</li> </ul>                                     |
| <i>References you should study to gain the knowledge you need to perform this skill:</i>                       | <ul style="list-style-type: none"> <li>• Construction Electrician Basic (CE Basic), NAVEDTRA 11038</li> <li>• Blueprint Reading and Sketching, NAVEDTRA 12014</li> </ul>   |
| <i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly: | You can expect questions on reading blueprints; identifying parts of a blueprint; reading parts of a project specification; identifying parts of construction drawings; differentiating types of electrical diagrams; and identifying common electrical symbols. |