

# Navy Advancement Center

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

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## Advancement Handbook for Aircrew Survival Equipmentman (PR)

**The July 2000 handbook was reviewed during July 2002. This review resulted in numerous changes to the technical content. Discard previous versions and use this copy only.**

## 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 Aircrew Survival Equipmentman (PR) 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 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 PR3

## Advancement Handbook for PR3

General PR Skill Area	Mechanical Maintenance
<p><i>A skill</i> you are expected to perform from the General Skill Area above:</p>	<p>Maintain carbon dioxide cylinders</p>
<p><i>Knowledge</i> you should have to perform this skill:</p>	<ul style="list-style-type: none"> <li>• Carbon dioxide cylinder cleaning and inspection procedures</li> <li>• Carbon dioxide cylinder replacement procedures</li> <li>• Carbon dioxide cylinder weighing procedures</li> <li>• Carbon dioxide cylinder functional check procedures</li> <li>• Aircraft fire bottle inspection and cleaning procedures</li> <li>• Inflation bottle hydrostatic test procedures</li> </ul>
<p><i>References</i> you should study to gain the knowledge you need to perform this skill:</p>	<ul style="list-style-type: none"> <li>• Aviation Crew Systems Inflatable Survival Equipment, (life rafts), Chapter 9 (NAVAIR 13-1-6.1-1)</li> <li>• Aircrew Survival Equipmentman 2, Chapter 8 (NAVEDTRA 14218)</li> </ul>
<p><i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:</p>	<p>You can expect questions about maintenance on carbon dioxide cylinders. Questions will be equipment specific or of a general nature. You will be questioned on inspecting and cleaning aircraft fire bottle cylinders. You will also be questioned on procedures for weighing, inspecting, testing, and cleaning carbon dioxide cylinders as well as carbon dioxide cylinder replacement procedures. In addition, you will be questioned on how to calculate hydrostatic test dates for inflation bottles.</p>