

Navy Advancement Center

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

Advancement Handbook for Gunner's Mate

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PREFACE

The purpose of the Advancement Handbook is to assist Gunner's Mates (GM) in studying for Navy wide 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 GM 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 GM3

Advancement Handbook for GM3

General GM Skill Area	Weapon Systems Operations
<p><i>A skill</i> you are expected to perform from the General Skill Area above:</p>	<p>Conduct Overall Combat Systems Operability Tests (OCSOT), Combat System Operability Test (CSOT) And Daily System Operability Checks (DSOT)</p>
<p><i>Knowledge</i> you should have to perform this skill:</p>	<p>Interface between Fire Control and Launcher: (OCSOT, CSOT)</p> <ul style="list-style-type: none"> • AEGIS • Mk 34 GWS • Mk 86 GFCS • Mk 92 FCS <p>Components of the basic fire control system:</p> <ul style="list-style-type: none"> • Computer • Director and radar • Stable element <p>Fire control problems:</p> <ul style="list-style-type: none"> • Ballistics <p>Interface between Launcher Control and Launcher (DSOT):</p> <ul style="list-style-type: none"> • Local modes of operation • Train and elevation indicators • Train and elevation power drives • Train and elevation limit stops • Firing cutout assemblies