

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

Advancement Handbook for Aerographer's Mate

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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 Aerographer's Mate (AG) 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 AG3

Advancement Handbook for AG3

<p>General AG <i>Skill Area</i></p>	<p>Environmental Predictions Systems and Services</p>
<p>A <i>skill</i> you are expected to perform from the General Skill Area above:</p>	<p>Measure temperatures to include dry-bulb, wet-bulb, and sea surface</p>
<p><i>Knowledge</i> you should have to perform this skill:</p>	<ul style="list-style-type: none"> • Accuracy requirements for reporting temperature measurements • Procedures for operating temperature measuring equipment • Units of measure for temperature
<p><i>References</i> you should study to gain the knowledge you need to perform this skill:</p>	<ul style="list-style-type: none"> • Aerographer's Mate Third Class, Chapters 1 and 2 (NAVEDTRA 12850) • Automated Surface Observing System User's Guide, Chapter 2 (ASOS) • Operator's Manual, Tactical Environmental Support System (TESS (3)) and Shipboard Meteorological and Oceanographic Observing System (SMOOS), Volume III, Section 3.13 (NAVELEXCEN VJO 14203-0302428A) • Surface METAR Observations User's Manual, Chapter 7 (NAVMETOC COMINST 3141.2) • United States Navy Manual For Ship's Surface Weather Observations, Section II, Chapter 7 (NAVMETOC COMINST 3144.1)
<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 the procedures for obtaining temperature measurements from temperature equipment to include the electric psychrometer, sling psychrometer, bucket method, and shipboard injection temperature. You can also expect questions about the degree of accuracy required and the different temperature scales.</p>