

Navy Advancement Center

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

Advancement Handbook for Aviation Electronics Technician (Intermediate Maintenance)

This Advancement Handbook was reviewed on: 10 June 2002. There were no changes to the technical content.

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 Aviation Electronics Technician (Intermediate) (ATI) 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.

NOTE

Many of the NAVEDTRA course numbers have been changed; however, the material is **NOT** new or revised. The course numbers have been changed only to facilitate the shift to central enrollment.

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Part 1

Advancement Handbook for ATI3

Advancement Handbook for ATI3

<i>General ATI Skill Area</i>	Avionics Systems Maintenance
A <i>skill</i> you are expected to perform from the General Skill Area above:	Maintain control indicator systems
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> • Theory of operation of control indicator systems • Operating parameters of control indicator systems
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> • Applicable maintenance instruction manuals (MIMs) • Aviation Electronics Technician 3, Chapter 3 (NAVEDTRA 14028) • Navy Electricity and Electronics Training Series, Module 15, Chapters 1 through 4, (NAVEDTRA 14187)
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions about the maintenance of control indicator systems. Questions will be of a general nature or specific to a certain type of system. You also will be questioned on theory of operation, and operating parameters of basic synchros and servomechanisms.