CDC 2A654

Aircraft Fuel Systems Journeyman

Volume 1. Maintenance Fundamentals and Administrative Responsibilities

> Air Force Career Development Academy Air University Air Education and Training Command

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Author: MSgt Kristopher J. Chapman 361st Training Squadron 82nd Training Group (AETC) 361 TRS/TRR 501 Missile Road Sheppard Air Force Base, Texas 76311-2264 DSN: 736-3254 E-mail address: kristopher.chapman@us.af.mil

Instructional Systems

Specialist: Evangeline K. Walmsley

Editor: Sandra F. Glenn

Air Force Career Development Academy (AFCDA) Air University (AETC) Maxwell AFB-Gunter Annex, Alabama WELCOME TO THE Aircraft Fuel Systems Journeyman Career Development Course (CDC). This two-volume course is designed to provide you with the career knowledge necessary for upgrade to the 5-skill level.

Volume 1 covers various maintenance fundamentals and administrative responsibilities maintenance personnel are required to know.

Volume 2 focuses on integral fuel tank and fuel cell maintenance. The volume includes topics such as aircraft familiarization, special tools and equipment, confined space entry, and fuel leak isolation.

In this volume, Unit 1 covers career field progression, organizational structure, responsibilities of the personnel in the maintenance group, and maintenance documentation.

Unit 2 covers the different inspection concepts and the importance of maintenance documentation.

Unit 3 deals with principles of ground safety. The unit describes the requirements for handling fuels, chemicals, and compressed gases, as well as various types of personal protective clothing and equipment.

Unit 4 deals with the types of Air Force publications and technical orders. The technical order numbering system and the Maintenance Integrated Data Access System (MIDAS) are also covered.

Unit 5 outlines the structure and function of the supply system. The unit introduces the characteristics of the Standard Base Supply System (SBSS), and describes the processing and controlling of materiel, the use of supply products, and materiel deficiency reporting.

A glossary is included for your use.

Code numbers on figures are for preparing agency identification only.

The use of a name of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force.

To get a response to your questions concerning subject matter in this course, or to point out technical errors in the text, unit review exercises, or course examination, call or write the author using the contact information provided in this volume.

NOTE: Do not use Air Force Instruction (AFI) 38-402, *Airmen Powered by Innovation and Suggestion Program*, to submit corrections for printing or typographical errors. For Air National Guard (ANG) members, do not use Air National Guard Instruction (ANGI) 38-401, *Suggestion Program*.

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For Guard and Reserve personnel, this volume is valued at 12 hours and 3 points.

NOTE:

In this volume, the subject matter is divided into self-contained units. A unit menu begins each unit, identifying the lesson headings and numbers. After reading the unit menu page and unit introduction, study the section, answer the self-test questions, and compare your answers with those given at the end of the unit. Then complete the unit review exercises.

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