

COMPARISON ANALYSIS OF FUEL ON MANUAL AND SYSTEMATIC FLIGHT PLAN ON CITILINK AIRLINES ON THE JAKARTA-SURABAYA ROUTE USING AIRBUS A320 AIRCRAFT

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ABSTRACT: A Flight Plan is an essential element for achieving efficiency. Prior to operating a flight, a Flight Plan must be prepared. The flight operations officers (FOOs) utilize Airbus's NavBlue application to create a systematic Flight Plan. They can also manually generate a Flight Plan using the FCOM (Flight Crew Operating Manual) guidebook. This research focuses on the differences in fuel planning between the systematic and manual methods of Flight Plan creation, as there are variations between the two approaches. Qualitative methodology is used to gather and analyze secondary data, including both manual and systematic Flight Plans, weather and environmental data, as well as aircraft technical documents and fuel tank capacities. The anticipated outcome of this research is to provide valuable insights for the aviation industry in enhancing operational efficiency.

Keywords: Aviation, Flight Planning, FOO, FCOM, NavBlue

INTRODUCTION

Flight is a transportation activity that involves the use of aircraft for various purposes, such as passenger and cargo transportation, this statement is quoted in accordance with Law Number 1 of 2009. Flights always have something to do with planning a flight, just before the flight is operated, of course, there is a flight plan or in the aviation world commonly called *Flight Planning* (Altus,

2009). Pilots before carrying out the flight must know about the flight plan in order to understand everything written in the flight plan such as *weather package*, NOTAM (*Notice to Airmen*), MEL/CDL (*Minimum Equipment List/Configuration Deviation List*), *validity time*, flight number, aircraft registration, ETD/ETA (*Estimated Time Departure/Estimated Time Arrival*), route used, *Load Manifest*, Fuel Components,

Airbus Fuel Planning Manual

Antonio Filippone

A red circular graphic with a gradient, appearing as a semi-circle or a stylized arrow pointing to the right, located to the right of the author's name.

Airbus Fuel Planning Manual:

Operator's Manual for Army Models C-12A, C-12C, and C-12D Aircraft ,1989 Monthly Catalog of United States Government Publications United States. Superintendent of Documents,1978 February issue includes Appendix entitled Directory of United States Government periodicals and subscription publications September issue includes List of depository libraries June and December issues include semiannual index Instrument Flying Handbook United States. Federal Aviation Administration,1971 **Aircraft Cabin Safety and Fire Survivability** United States. Congress. House. Committee on Government Operations. Government Activities and Transportation Subcommittee,1991 *Airport Management* Mr. Rohit Manglik,2023-09-23 Covers airport operations passenger handling security infrastructure and strategic planning for efficient airport management *Advanced Aircraft Flight Performance* Antonio Filippone,2012-12-17 This unique book deals with the aeroplane at several levels and aims to simulate its flight performance using computer software *Airport Emergency Plan* United States. Federal Aviation Administration,1989 **Field Manual No.1-111: Aviation Brigades** ,

Manuals Combined: U.S. Army TECHNICAL MANUAL OPERATOR'S MANUAL FOR UH-60A HELICOPTER UH-60Q HELICOPTER UH-60L HELICOPTER EH-60A HELICOPTER , BOTH MANUALS Approved for public release distribution unlimited DESCRIPTION This manual contains the complete operating instructions and procedures for UH 60A UH 60Q UH 60L and EH 60A helicopters The primary mission of this helicopter is that of tactical transport of troops medical evacuation cargo and reconnaissance within the capabilities of the helicopter The observance of limitations performance and weight and balance data provided is mandatory The observance of procedures is mandatory except when modification is required because of multiple emergencies adverse weather terrain etc Your flying experience is recognized and therefore basic flight principles are not included IT IS REQUIRED THAT THIS MANUAL BE CARRIED IN THE HELICOPTER AT ALL TIMES Over 200 U.S. Department of Energy Manuals Combined: CLASSICAL PHYSICS; ELECTRICAL SCIENCE; THERMODYNAMICS, HEAT TRANSFER AND FLUID FUNDAMENTALS; INSTRUMENTATION AND CONTROL; MATHEMATICS; CHEMISTRY; ENGINEERING SYMBOLOGY; MATERIAL SCIENCE; MECHANICAL SCIENCE; AND NUCLEAR PHYSICS AND REACTOR THEORY , Over 19 000 total pages Public Domain U S Government published manual Numerous illustrations and matrices Published in the 1990s and after 2000 TITLES and CONTENTS ELECTRICAL SCIENCES Contains the following manuals Electrical Science Vol 1 Electrical Science Vol 2 Electrical Science Vol 3 Electrical Science Vol 4 Thermodynamics Heat Transfer And Fluid Flow Vol 1 Thermodynamics Heat Transfer And Fluid Flow Vol 2 Thermodynamics Heat Transfer And Fluid Flow Vol 3 Instrumentation And Control Vol 1 Instrumentation And Control Vol 2 Mathematics Vol 1 Mathematics Vol 2 Chemistry Vol 1 Chemistry Vol 2 Engineering Symbology Prints And Drawings Vol 1 Engineering Symbology Prints And Drawings Vol 2 Material Science Vol 1 Material Science Vol 2 Mechanical Science Vol 1 Mechanical Science Vol 2 Nuclear Physics And Reactor Theory Vol 1 Nuclear Physics And Reactor Theory Vol 2

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The book delves into Airbus Fuel Planning Manual. Airbus Fuel Planning Manual is a vital topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Airbus Fuel Planning Manual, encompassing both the fundamentals and more intricate discussions.

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- Chapter 1: Introduction to Airbus Fuel Planning Manual
- Chapter 2: Essential Elements of Airbus Fuel Planning Manual
- Chapter 3: Airbus Fuel Planning Manual in Everyday Life
- Chapter 4: Airbus Fuel Planning Manual in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, this book will provide an overview of Airbus Fuel Planning Manual. The first chapter will explore what Airbus Fuel Planning Manual is, why Airbus Fuel Planning Manual is vital, and how to effectively learn about Airbus Fuel Planning Manual.
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4. In chapter 3, this book will examine the practical applications of Airbus Fuel Planning Manual in daily life. The third chapter will showcase real-world examples of how Airbus Fuel Planning Manual can be effectively utilized in everyday scenarios.
5. In chapter 4, this book will scrutinize the relevance of Airbus Fuel Planning Manual in specific contexts. This chapter will explore how Airbus Fuel Planning Manual is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, this book will draw a conclusion about Airbus Fuel Planning Manual. The final chapter will summarize the key points that have been discussed throughout the book.

The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Airbus Fuel Planning Manual.

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