

A320 FCOM

UNDERSTANDING THE A320 FCOM: THE ULTIMATE GUIDE FOR PILOTS AND AVIATION ENTHUSIASTS

A320 FCOM IS AN ESSENTIAL COMPONENT IN THE OPERATIONAL FRAMEWORK OF AIRBUS A320 AIRCRAFT. AS ONE OF THE MOST POPULAR AND WIDELY USED COMMERCIAL AIRCRAFT IN THE WORLD, THE A320 FAMILY HAS REVOLUTIONIZED SHORT TO MEDIUM-HAUL AVIATION. THE FLIGHT CREW OPERATING MANUAL (FCOM) SERVES AS A COMPREHENSIVE REFERENCE FOR PILOTS, PROVIDING DETAILED PROCEDURES, CHECKLISTS, AND OPERATIONAL DATA NECESSARY FOR SAFE AND EFFICIENT AIRCRAFT OPERATION. THIS ARTICLE AIMS TO EXPLORE THE A320 FCOM IN DETAIL, COVERING ITS STRUCTURE, IMPORTANCE, AND HOW IT AIDS PILOTS IN THEIR DAILY TASKS.

WHAT IS THE A320 FCOM?

DEFINITION AND PURPOSE

THE **AIRCRAFT FLIGHT CREW OPERATING MANUAL (FCOM)** FOR THE AIRBUS A320 IS A STANDARDIZED MANUAL THAT CONSOLIDATES ALL CRITICAL INFORMATION REQUIRED FOR THE OPERATION OF THE AIRCRAFT. IT IS DESIGNED TO ENSURE PILOTS HAVE QUICK ACCESS TO OPERATIONAL PROCEDURES, SYSTEM DESCRIPTIONS, LIMITATIONS, AND TROUBLESHOOTING GUIDES.

THE PRIMARY PURPOSE OF THE A320 FCOM IS TO PROMOTE UNIFORMITY IN OPERATIONAL PROCEDURES AMONG FLIGHT CREWS AND TO ENHANCE SAFETY BY PROVIDING CLEAR, CONCISE INSTRUCTIONS AND DATA. IT ALSO ASSISTS PILOTS IN DECISION-MAKING DURING NORMAL, ABNORMAL, AND EMERGENCY SITUATIONS.

LEGAL AND REGULATORY SIGNIFICANCE

IN MANY JURISDICTIONS, THE FCOM IS A LEGALLY RECOGNIZED DOCUMENT THAT MUST BE AVAILABLE ON THE AIRCRAFT FOR REFERENCE DURING FLIGHTS. IT COMPLEMENTS OTHER MANUALS SUCH AS THE QUICK REFERENCE HANDBOOK (QRH) AND THE MINIMUM EQUIPMENT LIST (MEL), FORMING A CRITICAL PART OF THE OPERATIONAL DOCUMENTATION REQUIRED BY AVIATION AUTHORITIES LIKE THE FAA, EASA, AND ICAO.

STRUCTURE OF THE A320 FCOM

KEY SECTIONS OF THE FCOM

THE A320 FCOM IS ORGANIZED INTO VARIOUS SECTIONS, EACH DEDICATED TO DIFFERENT ASPECTS OF AIRCRAFT OPERATION:

- **GENERAL INFORMATION:** OVERVIEW OF AIRCRAFT SYSTEMS, CONFIGURATION, AND HANDLING CHARACTERISTICS.
- **PERFORMANCE DATA:** TAKEOFF AND LANDING DATA, CLIMB PERFORMANCE, CRUISE PROFILES, AND FUEL CALCULATIONS.
- **NORMAL PROCEDURES:** STEP-BY-STEP PROCEDURES FOR DAILY OPERATIONS SUCH AS PRE-FLIGHT CHECKS, START-UP, TAXI, TAKEOFF, CRUISE, DESCENT, APPROACH, AND LANDING.

- **ABNORMAL PROCEDURES:** HANDLING PROCEDURES FOR SYSTEM FAILURES, ENGINE MALFUNCTIONS, AND OTHER ABNORMAL SITUATIONS.
- **EMERGENCY PROCEDURES:** CRITICAL ACTIONS TO BE TAKEN DURING SEVERE EMERGENCIES SUCH AS FIRE, DECOMPRESSION, OR CRASH SCENARIOS.
- **SYSTEMS DESCRIPTIONS:** DETAILED EXPLANATIONS OF AIRCRAFT SYSTEMS INCLUDING HYDRAULICS, ELECTRONICS, FLIGHT CONTROLS, AND MORE.
- **LIMITATIONS AND PERFORMANCE DATA:** OPERATIONAL LIMITS SUCH AS MAXIMUM SPEEDS, WEIGHT RESTRICTIONS, AND ENVIRONMENTAL CONSIDERATIONS.

SUPPLEMENTARY MANUALS

WHILE THE FCOM IS COMPREHENSIVE, PILOTS ALSO RELY ON SUPPLEMENTARY MANUALS SUCH AS:

1. **QUICK REFERENCE HANDBOOK (QRH):** FOR QUICK DECISION-MAKING DURING ABNORMAL AND EMERGENCY SITUATIONS.
2. **AIRCRAFT OPERATING MANUAL (AOM):** MORE DETAILED TECHNICAL INFORMATION AND PROCEDURES.
3. **FLIGHT CREW TRAINING MANUALS:** FOR INITIAL AND RECURRENT TRAINING.

IMPORTANCE OF THE A320 FCOM IN FLIGHT OPERATIONS

ENHANCING SAFETY AND STANDARDIZATION

THE FCOM PLAYS A VITAL ROLE IN MAINTAINING HIGH SAFETY STANDARDS BY ENSURING ALL PILOTS FOLLOW STANDARDIZED PROCEDURES. THIS CONSISTENCY REDUCES ERRORS AND ENHANCES COORDINATION, ESPECIALLY DURING COMPLEX OR EMERGENCY SCENARIOS.

SUPPORTING DECISION-MAKING

DURING FLIGHT, PILOTS OFTEN FACE UNEXPECTED SITUATIONS. THE FCOM PROVIDES STRUCTURED GUIDANCE AND REFERENCE DATA, ENABLING INFORMED DECISION-MAKING AND REDUCING COGNITIVE LOAD DURING STRESSFUL MOMENTS.

TRAINING AND QUALIFICATION

THE FCOM IS A CORE COMPONENT OF PILOT TRAINING PROGRAMS. IT HELPS TRAINEES FAMILIARIZE THEMSELVES WITH AIRCRAFT SYSTEMS AND PROCEDURES, FOSTERING CONFIDENCE AND COMPETENCE BEFORE OPERATING THE AIRCRAFT INDEPENDENTLY.

OPERATIONAL EFFICIENCY

BY PROVIDING CLEAR PROCEDURES AND SYSTEM DESCRIPTIONS, THE FCOM MINIMIZES DELAYS AND OPERATIONAL ERRORS, CONTRIBUTING TO ON-TIME PERFORMANCE AND COST-EFFECTIVE OPERATIONS.

USING THE A320 FCOM EFFECTIVELY

ACCESS AND NAVIGATION

PILOTS TYPICALLY ACCESS THE FCOM VIA ELECTRONIC FLIGHT BAGS (EFBs) OR PRINTED MANUALS. FAMILIARITY WITH THE LAYOUT IS CRUCIAL FOR QUICK RETRIEVAL OF INFORMATION DURING FLIGHTS.

ROUTINE AND EMERGENCY USE

DURING NORMAL OPERATIONS, PILOTS USE THE FCOM FOR REFERENCE AND CONFIRMATION OF PROCEDURES. IN ABNORMAL OR EMERGENCY SITUATIONS, IT BECOMES A VITAL DECISION-SUPPORT TOOL, GUIDING PILOTS THROUGH CRITICAL ACTIONS STEP-BY-STEP.

UPDATING AND REVISIONS

THE FCOM IS REGULARLY UPDATED TO INCORPORATE NEW PROCEDURES, SYSTEM MODIFICATIONS, AND REGULATORY CHANGES. PILOTS MUST STAY CURRENT WITH REVISIONS TO ENSURE COMPLIANCE AND SAFETY.

COMMON CHALLENGES AND BEST PRACTICES IN USING THE A320 FCOM

CHALLENGES

- **INFORMATION OVERLOAD:** THE VAST AMOUNT OF DATA CAN BE OVERWHELMING FOR PILOTS, ESPECIALLY DURING HIGH-STRESS SITUATIONS.
- **VERSION CONTROL:** ENSURING THE MOST CURRENT MANUAL IS IN USE TO AVOID OUTDATED PROCEDURES.
- **TRAINING ADEQUACY:** VARIABILITY IN FAMILIARITY WITH THE MANUAL AMONG PILOTS, ESPECIALLY DURING RECURRENT TRAINING.

BEST PRACTICES

- REGULARLY REVIEW AND FAMILIARIZE ONESELF WITH THE FCOM CONTENTS.
- USE ELECTRONIC TOOLS LIKE EFBs WITH SEARCH FUNCTIONS FOR QUICK ACCESS.
- PARTICIPATE ACTIVELY IN RECURRENT TRAINING SESSIONS FOCUSING ON MANUAL PROCEDURES.
- MAINTAIN DILIGENT VERSION CONTROL AND ENSURE MANUAL UPDATES ARE INCORPORATED PROMPTLY.

CONCLUSION

THE **A320 FCOM** STANDS AS A CORNERSTONE OF SAFE AND EFFICIENT AIRCRAFT OPERATION. BY PROVIDING DETAILED PROCEDURES, SYSTEM DESCRIPTIONS, AND OPERATIONAL DATA, IT EMPOWERS PILOTS TO HANDLE ROUTINE FLIGHTS AND UNEXPECTED SCENARIOS WITH CONFIDENCE. ITS STRUCTURED LAYOUT, REGULAR UPDATES, AND INTEGRATION WITH OTHER MANUALS MAKE IT AN INDISPENSABLE RESOURCE FOR FLIGHT CREWS WORLDWIDE. WHETHER YOU ARE A PILOT, AVIATION STUDENT, OR ENTHUSIAST, UNDERSTANDING THE SIGNIFICANCE OF THE A320 FCOM ENHANCES YOUR APPRECIATION OF MODERN AVIATION SAFETY AND OPERATIONAL EXCELLENCE.

AS AIRBUS CONTINUES TO INNOVATE AND IMPROVE THEIR AIRCRAFT SYSTEMS, THE FCOM REMAINS A DYNAMIC DOCUMENT, EVOLVING TO MEET THE DEMANDS OF CONTEMPORARY FLIGHT OPERATIONS. MASTERY OF ITS CONTENTS AND EFFECTIVE UTILIZATION ARE KEY TO ENSURING THE HIGHEST STANDARDS OF SAFETY AND PERFORMANCE IN THE SKIES.

FREQUENTLY ASKED QUESTIONS

WHAT IS THE PURPOSE OF THE A320 FCOM?

THE A320 FCOM (FLIGHT CREW OPERATING MANUAL) PROVIDES PILOTS WITH CRITICAL OPERATING PROCEDURES, CHECKLISTS, AND OPERATIONAL GUIDANCE TO ENSURE SAFE AND EFFICIENT AIRCRAFT OPERATION.

WHERE CAN PILOTS ACCESS THE LATEST UPDATES TO THE A320 FCOM?

UPDATES TO THE A320 FCOM ARE TYPICALLY DISTRIBUTED THROUGH AIRLINE-SPECIFIC MANUALS, ELECTRONIC FLIGHT BAG (EFB) SYSTEMS, OR AIRLINE INTRANET PORTALS TO ENSURE PILOTS HAVE THE MOST CURRENT PROCEDURES.

HOW IS THE A320 FCOM STRUCTURED?

THE FCOM IS ORGANIZED INTO SECTIONS SUCH AS GENERAL, NORMAL PROCEDURES, ABNORMAL AND EMERGENCY PROCEDURES, LIMITATIONS, AND PERFORMANCE, ALLOWING PILOTS TO QUICKLY FIND RELEVANT INFORMATION BASED ON OPERATIONAL NEEDS.

WHAT ARE THE KEY DIFFERENCES BETWEEN THE A320 FCOM AND QRH?

THE FCOM PROVIDES STANDARD OPERATING PROCEDURES AND GUIDANCE FOR NORMAL AND ABNORMAL OPERATIONS, WHILE THE QRH (QUICK REFERENCE HANDBOOK) FOCUSES ON CHECKLISTS AND STEP-BY-STEP PROCEDURES FOR SPECIFIC EMERGENCIES AND ABNORMAL SITUATIONS.

CAN THE A320 FCOM BE CUSTOMIZED FOR DIFFERENT AIRLINES?

YES, AIRLINES OFTEN CUSTOMIZE THE FCOM TO INCLUDE AIRLINE-SPECIFIC PROCEDURES, COMPANY POLICIES, AND LOCAL REGULATIONS, THOUGH THE CORE CONTENT REMAINS CONSISTENT WITH AIRBUS STANDARDS.

WHAT IS THE SIGNIFICANCE OF THE A320 FCOM IN PILOT TRAINING?

THE FCOM IS ESSENTIAL FOR PILOT TRAINING AS IT FAMILIARIZES CREW WITH STANDARD OPERATING PROCEDURES, AIRCRAFT SYSTEMS, AND EMERGENCY PROTOCOLS, FORMING A FOUNDATION FOR SAFE AIRCRAFT OPERATION.

ARE THERE ELECTRONIC VERSIONS OF THE A320 FCOM AVAILABLE?

YES, MANY AIRLINES PROVIDE ELECTRONIC VERSIONS OF THE FCOM ACCESSIBLE VIA EFBs OR OTHER DIGITAL PLATFORMS, FACILITATING QUICK AND EASY ACCESS DURING FLIGHT OPERATIONS.

How does the A320 FCOM help in troubleshooting aircraft issues?

The FCOM contains troubleshooting procedures, system descriptions, and guidance to assist pilots in diagnosing and resolving aircraft system problems effectively.

What updates or revisions are typically made to the A320 FCOM?

Updates may include revisions to procedures based on new regulations, aircraft software updates, incident learnings, or operational improvements to enhance safety and efficiency.

Is the A320 FCOM compatible with other Airbus models?

While there are similarities, each Airbus model has its own FCOM tailored to its specific systems and configurations; however, many procedures are common across models like the A318, A319, A320, and A321.

Additional Resources

Understanding the A320 FCOM: A Comprehensive Guide for Pilots and Aviation Enthusiasts

The A320 FCOM (Flight Crew Operating Manual for Airbus A320) is an essential document that underpins the safe and efficient operation of one of the world's most popular commercial aircraft. Serving as the primary reference for pilots, the FCOM provides detailed procedures, operational limits, and system descriptions to ensure the aircraft is flown correctly and safely under various conditions. Whether you're a pilot preparing for type-rating, an aviation enthusiast eager to understand aircraft operations, or a maintenance professional seeking insight into the aircraft's systems, a thorough understanding of the A320 FCOM is invaluable.

What is the A320 FCOM?

The A320 FCOM is a structured manual that consolidates all necessary operating information for pilots flying the Airbus A320 family. It is designed to support flight crews from pre-flight preparations through to shutdown, covering normal operations, abnormal situations, and emergencies.

The FCOM is part of Airbus's structured documentation system, which includes other manuals like the QRH (Quick Reference Handbook), FCTM (Flight Crew Training Manual), and AFM (Aircraft Flight Manual). While the AFM provides certification limits and limitations, the FCOM contains procedures, recommended practices, and operational guidance.

Structure and Content of the A320 FCOM

The FCOM is organized systematically to facilitate quick reference in various phases of flight. Broadly, it is divided into several sections:

1. GENERAL INFORMATION
 - Aircraft Description
 - Cockpit Layout
 - System Overviews
 - Definitions of Abbreviations and Symbols
2. NORMAL PROCEDURES
 - Pre-flight Checks
 - Engine Start and Taxi
 - Takeoff Procedures
 - Climb, Cruise, Descent, Approach, and Landing Procedures

- POST-FLIGHT CHECKS

3. ABNORMAL AND EMERGENCY PROCEDURES

- SYSTEM FAILURES
- ENGINE FAILURES
- SMOKE AND FIRE
- CABIN DECOMPRESSION
- OTHER IN-FLIGHT EMERGENCIES

4. SYSTEM DESCRIPTIONS

- FLIGHT CONTROL SYSTEMS
- ELECTRICAL SYSTEMS
- FUEL SYSTEMS
- HYDRAULIC SYSTEMS
- ENVIRONMENTAL CONTROLS
- AVIONICS

5. PERFORMANCE DATA

- TAKEOFF AND LANDING DATA
- WEIGHT AND BALANCE
- PERFORMANCE CHARTS

6. APPENDICES

- CHECKLISTS
- LIMITATIONS
- ABNORMAL PROCEDURE CHARTS

KEY FEATURES OF THE A320 FCOM

STRUCTURED FLOWCHARTS AND TABLES

ONE OF THE STRENGTHS OF THE FCOM IS ITS USE OF FLOWCHARTS, TABLES, AND QUICK-REFERENCE LISTS. THESE VISUAL AIDS HELP PILOTS QUICKLY IDENTIFY THE APPROPRIATE PROCEDURES DURING HIGH-STRESS SITUATIONS.

SYSTEM DESCRIPTIONS

DETAILED EXPLANATIONS OF ALL AIRCRAFT SYSTEMS, INCLUDING HOW THEY OPERATE UNDER NORMAL AND ABNORMAL CONDITIONS, ARE INCLUDED. THIS KNOWLEDGE IS CRUCIAL FOR TROUBLESHOOTING AND DECISION-MAKING.

OPERATIONAL LIMITS AND CONSTRAINTS

THE MANUAL CLEARLY STATES THE AIRCRAFT'S OPERATIONAL LIMITS, SUCH AS MAXIMUM TAKEOFF WEIGHT, V-SPEEDS, AND SYSTEM CONSTRAINTS, ENSURING PILOTS OPERATE WITHIN CERTIFIED PARAMETERS.

PILOT TECHNIQUES AND BEST PRACTICES

THE FCOM INCLUDES RECOMMENDED PILOT TECHNIQUES, EMPHASIZING SAFETY MARGINS, AUTOMATION MANAGEMENT, AND BEST PRACTICES FOR VARIOUS PHASES OF FLIGHT.

USING THE A320 FCOM EFFECTIVELY

MASTERING THE FCOM REQUIRES FAMILIARITY AND REGULAR STUDY. HERE ARE SOME TIPS FOR EFFECTIVE USE:

- PRE-FLIGHT REVIEW: STUDY RELEVANT SECTIONS BASED ON THE PLANNED PHASE OF FLIGHT.
- EMERGENCY PREPAREDNESS: MEMORIZE OR FAMILIARIZE YOURSELF WITH ABNORMAL PROCEDURES AND CHECKLISTS.

- SYSTEM KNOWLEDGE: UNDERSTAND THE UNDERLYING SYSTEMS TO TROUBLESHOOT EFFECTIVELY.
- SIMULATION PRACTICE: USE SIMULATORS TO PRACTICE PROCEDURES OUTLINED IN THE FCOM.
- CONTINUOUS LEARNING: REGULARLY REVIEW UPDATES AND REVISIONS ISSUED BY AIRBUS OR YOUR AIRLINE.

PRACTICAL APPLICATIONS OF THE FCOM

NORMAL OPERATIONS

PILOTS RELY ON THE FCOM FOR STEP-BY-STEP PROCEDURES DURING ALL PHASES OF FLIGHT, INCLUDING:

- SETTING UP THE AIRCRAFT DURING PRE-FLIGHT INSPECTIONS.
- EXECUTING ENGINE STARTS AND TAXI PROCEDURES.
- PERFORMING TAKEOFF CALCULATIONS AND PROCEDURES.
- MANAGING CRUISE, DESCENT, AND APPROACH PHASES WITH CONFIDENCE.
- CONDUCTING POST-FLIGHT CHECKS.

HANDLING ABNORMAL SITUATIONS

WHEN SYSTEMS BEHAVE UNEXPECTEDLY, PILOTS CONSULT THE FCOM TO:

- DIAGNOSE THE ISSUE BASED ON SYMPTOMS.
- FOLLOW PRESCRIBED ABNORMAL PROCEDURES.
- USE FLOWCHARTS FOR QUICK DECISION-MAKING.
- DETERMINE WHETHER TO PROCEED, DIVERT, OR RETURN.

EMERGENCY SITUATIONS

IN CRITICAL MOMENTS, THE FCOM'S EMERGENCY PROCEDURES ARE VITAL FOR:

- MANAGING ENGINE FIRES.
- RESPONDING TO CABIN DECOMPRESSION.
- HANDLING IN-FLIGHT SMOKE OR ELECTRICAL FIRES.
- CONDUCTING DITCHING OR EMERGENCY EVACUATIONS.

THE ROLE OF FCOM IN PILOT TRAINING AND CERTIFICATION

FOR PILOTS UNDERGOING TYPE-RATING OR RECURRENT TRAINING, THE FCOM IS A CORE RESOURCE. IT SUPPORTS:

- GROUND SCHOOL INSTRUCTION.
- SIMULATOR TRAINING SCENARIOS.
- CHECKRIDES AND ASSESSMENTS.

BY INTERNALIZING THE PROCEDURES AND SYSTEM DESCRIPTIONS IN THE FCOM, PILOTS ENHANCE THEIR SITUATIONAL AWARENESS AND OPERATIONAL COMPETENCE.

COMPARING THE A320 FCOM TO OTHER AIRCRAFT MANUALS

WHILE MANY AIRCRAFT MANUALS SERVE SIMILAR FUNCTIONS, THE AIRBUS FCOM IS DISTINCTIVE IN ITS APPROACH:

- SYSTEM-CENTRIC DESIGN: EMPHASIZES UNDERSTANDING SYSTEM INTERACTIONS RATHER THAN JUST CHECKLIST PROCEDURES.
- FLOW-BASED PROCEDURES: USES FLOWCHARTS TO GUIDE PILOTS LOGICALLY THROUGH SCENARIOS.
- AUTOMATION FOCUS: PROVIDES GUIDANCE ON MANAGING AIRBUS'S AUTOMATED SYSTEMS EFFECTIVELY.

THIS DESIGN PHILOSOPHY HELPS PILOTS BETTER UNDERSTAND AIRCRAFT BEHAVIOR AND MAKE INFORMED DECISIONS, ESPECIALLY IN COMPLEX SITUATIONS.

COMMON CHALLENGES AND HOW TO OVERCOME THEM

CHALLENGE: OVERRELIANCE ON AUTOMATION LEADING TO REDUCED SYSTEM UNDERSTANDING.

SOLUTION: REGULAR STUDY OF SYSTEM DESCRIPTIONS AND ABNORMAL PROCEDURES IN THE FCOM TO MAINTAIN A STRONG OPERATIONAL KNOWLEDGE BASE.

CHALLENGE: MEMORIZING PROCEDURES FOR EMERGENCIES.

SOLUTION: USE SIMULATIONS AND SCENARIO-BASED TRAINING TO REINFORCE PROCEDURAL MEMORY.

CHALLENGE: KEEPING UP WITH UPDATES AND REVISIONS.

SOLUTION: REGULARLY REVIEW AIRBUS BULLETINS AND AIRLINE-SPECIFIC ADAPTATIONS TO THE FCOM.

CONCLUSION

THE A320 FCOM IS MORE THAN JUST A MANUAL; IT IS A VITAL TOOL THAT ENCAPSULATES AIRBUS'S PHILOSOPHY OF SAFETY, STANDARDIZATION, AND PILOT EMPOWERMENT. BY THOROUGHLY UNDERSTANDING ITS STRUCTURE AND CONTENT, PILOTS CAN OPERATE THE AIRCRAFT CONFIDENTLY AND EFFICIENTLY, ENSURING SAFETY FOR EVERYONE ONBOARD. WHETHER YOU'RE PREPARING FOR YOUR FIRST A320 FLIGHT OR SEEKING TO DEEPEN YOUR OPERATIONAL KNOWLEDGE, MASTERING THE FCOM IS A CORNERSTONE OF PROFESSIONAL AVIATION PRACTICE.

REMEMBER: THE KEY TO EFFECTIVE AIRCRAFT OPERATION IS CONTINUOUS LEARNING. REGULAR REVIEW OF THE FCOM, COMBINED WITH PRACTICAL EXPERIENCE AND TRAINING, ENSURES THAT PILOTS ARE WELL-EQUIPPED TO HANDLE BOTH ROUTINE FLIGHTS AND UNEXPECTED EMERGENCIES WITH COMPETENCE AND CONFIDENCE.

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a320 fcom: Airbus A320 Systems Displays Manual Faraz Sheikh , 2022-03-28 This is a technical 117 pages guide for the Airbus A320 Pilot or Cadet to study an in-depth breakdown of the various systems pages including the Engine Warning Display presented in the flightdeck. The systems displays include: CRUISE, ENGINE, BLEED, CABIN PRESSURE, ELECTRIC, HYDRAULICS, FUEL, APU, AIR CONDITIONING, DOOR/OXYGEN, WHEELS and FLIGHT CONTROLS. We have also added a description of the Slats and Flaps part displayed normally on the EWD, accessible via the Flight Controls chapter. The book comes detailed with high resolution system screen images including images for the various parameters and components which are displayed on the system screens. It is compatible for the A320 CEO and NEO variants. This guide is created for TRAINING PURPOSES ONLY and is NOT to be used for real OPERATIONS.

a320 fcom: Airbus A320 Crew Manual Facundo Conforti, 2020-03-11 In this manual, you as a pilot, will learn about main flight concepts and how the A320 works during normal and abnormal operations. This is not a technical manual about systems, it's a manual about of flight philosophy. This manual is based on the original Airbus manual called "The Flight Crew Training Manual" which is published as a supplement to the Flight Crew Operating Manual (FCOM) and is designed to

provide pilots with practical information on how to operate the Airbus aircraft. It should be read just like a supplement and not for real flight. In this case refer to the original FCOM from Airbus. Let's start to fly the amazing A320 with our collection of books and remember, it's not a technical manual so enjoy it!

a320 fcom: AIR CRASH INVESTIGATIONS, LOST OVER THE ATLANTIC The Crash of Air France Flight 447 THE FINAL REPORT George Cramoisi, editor, 2012-09-01 On 31 May 2009, the Airbus A330 flight AF 447 took off from Rio de Janeiro Galeo airport bound for Paris Charles de Gaulle. At around 2 h 02, the Captain left the cockpit for a short nap. At around 2 h 08, at flight level 350, the crew made a course change of 12 degrees to the left, to avoid bad weather. At 2h 10min 05, likely following the obstruction of the Pitot probes by ice crystals, the speed indications were incorrect and some automatic systems disconnected. The aeroplane's flight path was not controlled by the two copilots. They were rejoined 1 minute 30 later by the Captain, while the aeroplane was in a stall situation that lasted until the impact with the sea at 2 h 14 min 28 s, killing all 228 persons on board. It took almost two years to recover the wreck of the aircraft from a depth of 4.000 metres. The accident resulted from a succession of events, such as inconsistency between the measured airspeeds, inappropriate control inputs, and the crew's failure to diagnose the stall situation

a320 fcom: Airbus A320 Encyclopedia Facundo Conforti, 2022-03-07 In a constantly growing aeronautical industry, the demand for professional pilots is increasing. Year after year thousands of applicants come to the airlines looking for a job, but only a small fraction of them get the job, and of that small fraction, only a very select group are the pilots who manage to develop their professional careers in a company. The other pilots don't get achieve their goals for different reasons, one of them is the lack of knowledge that leads them to face challenges that they cannot overcome. In this guide we will try to provide each reader with the necessary tools to learn all the most relevant aspects of one of the most flying commercial aircraft in the world. A complete guide that covers the knowledge of all the aircraft's systems, the Airbus flight philosophy, and a complete analysis of the operation of the FMS flight system where the reader will learn to operate the flight computer effectively and in various situations that may occur in real life. Finally you will learn all about a normal operation in a complete day as a pilot in command of A320. After learning the contents of this A320 encyclopedia, the pilot will arrive at the new job with a solid knowledge of the aircraft he will fly and this will make his learning process within the airline reach the highest academic and professional level.

a320 fcom: Airbus A320. QRH Analysis Facundo Conforti, 2021-07-23 Learning about an aircraft seems to have no end, a thought very close to reality when it comes to complex aircraft. Pilots spend much of their lives, training their flight techniques in a certain aircraft, learning its systems and its operations. The collection of A320 offered by the aeronautical library, is the most complete guide on all the knowledge that a pilot must learn about this wonderful aircraft. This new edition covers all the topics related to the understanding of the QRH (Quick Reference Handbook), its content and its correct way of using it. The QRH of an aircraft, is its quick reference manual, where the pilot can consult about normal and abnormal procedures, use performance tables, know limitations of the aircraft and everything related to the successful operation of the A320. A new contribution to the most complete A320 collection in Spanish on the market.

a320 fcom: Airbus A320. Special Operations Facundo Conforti, The maneuvers of an Airbus A320 are extremely simple during normal operations. They may present minimal complexity during abnormal operations, but the aircraft is extremely easy to fly. On the other hand, there are special operations that require a higher level of attention, and these are not necessarily abnormal operations or emergencies, but rather uncommon operations, such as flights in wind shear, volcanic ash, among others. In this work, you will learn all the details of each of these special operations, which will take your understanding of A320 flight to the next level.

a320 fcom: A320 FCOM Airbus Industrie. Training Flight Operations Support Division, 1989

a320 fcom: AIRBUS A320. Normal Operation Facundo Conforti, 2021-07-08 Welcome to one of the most advanced versions of the Aeronautical Library. In this new work of the AIRBUS A320

series we will know the normal operation of the aircraft during a real commercial flight from the city of Malaga, Spain (LEMG), to the city of Valencia, Spain (LEVC). The objective of this manual is that each reader knows everything that happens during a normal flight, from the time the pilots arrive at the airport, prepare the cabin, develop the flight and until they reach their destination. AIRBUS A320 Normal Operation is the ideal complement to the rest of the A320 collection in all its volumes. Each step explained with the most precise detail and graphics of the panels that the pilot will operate in each instance of the flight, added to the cartography that should be used for a flight of these circumstances. And as an added value, all communication structures between the pilot and the controller. A practical and entertaining guide how only the Aeronautical Library can offer. A subject as complex as the operations of A320, it becomes a simple and enjoyable topic to read in this entertaining and didactic manual.

a320 fcom: Cognitive Engineering in the Aviation Domain Nadine B. Sarter, Rene Amalberti, 2000-09-01 Although cognitive engineering has gained widespread acceptance as one of the most promising approaches to addressing and preventing difficulties with human-machine coordination and collaboration, it still meets with considerable skepticism and resistance in some of the industries that could benefit from its insights and recommendations. The challenge

a320 fcom: **AIR CRASH INVESTIGATIONS CAPTAIN IN PANIC The Crash of Armavia Flight 967** Hans Griffioen, editor, 2012-09-01 On 2 May 2006 Armavia Flight RNV 967, an Airbus A320, was on its way from Zvartnots (Yerevan, Armenia) to Adler (Sochi, Russia). There were 113 occupants on board: 105 passengers (including 5 children and 1 baby), 2 pilots, 1 aircraft engineer and 5 flight attendants. Upon approaching Sochi there was confusion in regard to the weather for the scheduled landing. Finally the captain decided to return to Zvartnots, a short while later he reconsidered his decision and started the approach to Sochi after all. Just before final landing air traffic control told the captain to abort the landing. At 22:13 the aircraft struck the water, it broke up on impact, killing all aboard. The investigation concluded that the crash of Armavia Flight 967 was a Controlled Flight Into Terrain (CFIT), specifically water, while conducting a climbing manoeuvre, after an aborted approach, along with inadequate control inputs from the Captain to Sochi airport at night with weather conditions below landing minimums for runway 06.

a320 fcom: *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.

a320 fcom: **I Think and Write, Therefore You Are Confused** Vahid Paez, 2021-08-03 The importance of good documentation can build a strong foundation for any thriving organization. This reference text provides a detailed and practical treatment of technical writing in an easy to understand manner. The text covers important topics including neuro-linguistics programming (NLP), experimental writing against technical writing, writing and unity of effect, five elements of communication process, human information processing, nonverbal communication and types of technical manuals. Aimed at professionals and graduate students working in the fields of ergonomics, aerospace engineering, aviation industry, and human factors, this book: Provides a detailed and practical treatment of technical writing. Discusses several personal anecdotes that serve as real-work examples. Explores communications techniques in a way that considers the psychology of what works. Discusses in an easy to understand language, stories, and examples, the correct steps to create technical documents.

a320 fcom: *Learning about A320* Facundo Conforti, 2022-11-28 Learning everything about an airplane is the job of each pilot, but how can we get it? Or where we should we start? Learn all about an aircraft takes a long time and a several flight hours of experience, but the right way to start is reading this book. A little introduction to the Airbus history, to the airbus flight philosophy, the main aircraft limitations and its main systems.

a320 fcom: **Airbus A320 Encyclopedia II** Facundo Conforti, 2022-03-11 The second volume of the A320 encyclopedia will take the study of the aircraft to a higher level. After having learned everything about aircraft systems in the Volume 1 encyclopedia, all about the operation of the

MCDU system and all about the normal operation of the aircraft, it is time to know the abnormal operation of the aircraft. In this volume 2, the A320 encyclopedia will teach you the abnormal operation of all aircraft systems, their limitations, the operation of the QRH and the management of major emergencies that may occur in flight. Be ready for studying the aircraft as never before in any book, and remember, Knowledge is power! You will be the best A320 pilot!

a320 fcom: 101 Flight Lessons Airbus A320 Facundo Conforti, The collection 101 Flight Lessons has been created to cover the main theoretical concepts of the most relevant aeronautical subjects at each stage of a pilot, air traffic controller, and cabin crew career. 101 Flight Lessons includes a summary of key aeronautical topics such as meteorology, aerodynamics, flight instruments, maneuvers, airports, and a set of lessons that every pilot, whether in training or already graduated, should always keep in mind. This work is dedicated not only to all aviation personnel in general but also to aviation enthusiasts who enjoy a pleasant read for recreational and educational purposes. This work is dedicated not only to all aviation personnel in general but also to aviation enthusiasts who enjoy a pleasant read for recreational and educational purposes.

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a320 fcom: Human Factors Digest , 1989

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