Introduction to AMHS
A valuable guide for anyone
requiring an understanding of the AMHS

"Introduction to AMHS" offers a comprehensive and didactically structured
tutorial of the AMHS in terms of communication services, functions and operations.

Get ready for the new technology!

The "ATS Message Handling System (AMHS)" has been specified by ICAO to provide up-to-date messaging services which are above of the level available with the today's operated AFTN and CIDIN. To take advantage of these enhanced messaging services at a global scale, States and Organisations are encouraged to support AMHS communication as soon as possible.

AMHS services are primarily specified as an implementation of a functional subset of the ISO/IEC and ITU-T standard series for "Message Handling Systems (MHS)". Furthermore, the AMHS is embedded in the overall architecture of the ICAO "Aeronautical Telecommunication Network (ATN)" and makes use of common ATN services. The technical specifications are laid down in ICAO Doc 9880. In addition, Doc 9896 provides for the AMHS integration in an ATN architecture based on the Internet Protocol Suite (ATN/IPS).

"Introduction to AMHS" offers a comprehensive and didactically structured overview of the AMHS in terms of communication services, functions and operations.

Special attention is given to the "AFTN/AMHS Gateway" enabling communications between users of the AMHS and such of the legacy AFTN. The gateway aspects are presented and viewed in detail from operational and design-oriented perspectives.

Furthermore, "Introduction to AMHS" treats the ISO/IEC and ITU-T standards upon which AMHS is built, with great elaboration, as necessary for understanding AMHS well. Provided references identify in detail the used sources of given explanations.

The contained material was originally developed for the periodical AMHS seminar offered by AC-B. Improvements proposed by seminar participants as well as issues recognised in the course of AMHS conformance tests conducted by AC-B have been taken into account in the preparation of this book.

A flexible page signature system allows for future amendments, be it in the replacement or in the addition of pages, without affecting the overall structure of the document. This feature is essential in view of the ongoing work in global and regional ICAO bodies.

Target Audience

"Introduction to AMHS" has been written in support of system engineers, implementers, test engineers and operators, and anybody who is looking for a qualified technical and operational understanding of AMHS communication.

Product

"Introduction to AMHS" consists of two volumes (round ring view binders) totalling approximately 700 inlaid pages. The style of presentation allows flexible use to suit the needs of readers visiting the AMHS for a first time and for professionals looking for details of specific subjects. Each handled subject is introduced by a figure and a subsequent text in appropriate detail. Marginal notes are used to highlight subjects which are handled in alongside text parts. Such notes facilitate readers' investigations and are useful to memorise key terms and used acronyms.

For the reader's convenience the text is classified in essential or background information and advanced information for further reading.

Update Service

In consideration of future refinements of the AMHS technical specifications and ongoing regional implementation work an update service is offered by means of change pages and extra pages. Using this service, readers are enabled to keep their AMHS knowledge up-to-date with the latest developments in AMHS.

Product details

☐ Two Round ring view binders DIN A4: 700 pages (Volume A and B)

☐ Language: English

☐ Product Dimensions: 31,5 x 29,0 x 7,5 cm (per volume)

"Introduction to AMHS" is published by AC-B GmbH, Markdorf (Germany).

Table of Contents

Order and price information

Price information and an on-line Order Form for Volume A and/or B of the book "Introduction to AMHS" is available at www.ac-b.de.

Orders for "Introduction to AMHS" can also be mailed per Fax or by Post using AC-B's Order Form.

AC-B specializes in providing IT-solutions for communication, information, monitoring and control in distributed and heterogeneous environments. We transform your business needs and define testable requirements, custom design system architecture and successfully implement your IT-solution. To modernize already productive systems, migration solutions help realize new targets. AC-B's comprehensive services include overall feasibility studies, dedicated consulting services in technical or project-specific matters, project management support as well as turn-key project execution from requirements acquisition to commissioning. AC-B provides maintenance and support for existing systems, with an optional 24/7 helpdesk / hotline service. Included in our client base are several well-known companies and organizations such as the German Civil Aviation Authority (DFS), the German Aerospace Centre (DLR) and the European Aeronautic Defence and Space Company (EADS). Projects awarded to AC-B include: the maintenance and support of VAN - the national messaging network of the DFS - used for the exchange of air traffic control information; project management and quality assurance support for the Meteosat weather satellite ground station operated by the DLR.