

WePub

Web-Based Aeronautical Publishing



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WePub is the IDS AirNav web-based solution for creating, managing, and publishing of standard Aeronautical Information (AIP, SUPs, AICs and eAIP) as well as non-standard documents such as Airport Manuals. As a fully browser-based application, WePub allows users work remotely with no local installation, access published versions, and update content through an intuitive UI that handles text, images, tables and cross-references.

Key Features

- **Web-based application:** 100% browser-based; no local installation required
- **Remote and collaborative workflows:** designed for distributed teams
- **Data import from Aeronautical Database:** Import validated structured data according to temporal validity
- **Automatic eAIP Website generation:** produce the electronic AIP site as part of the standard output flow

Multiple Data Sources:

Structured Aeronautical Data

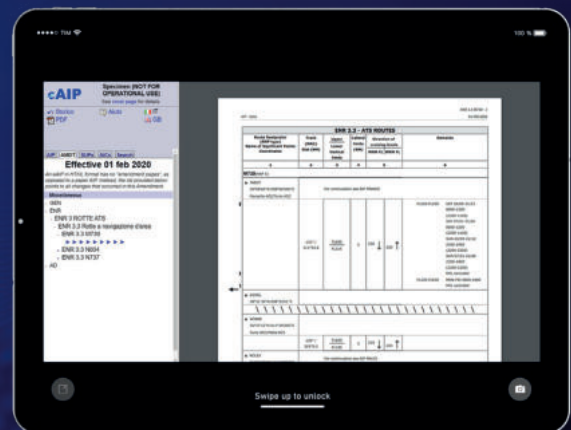
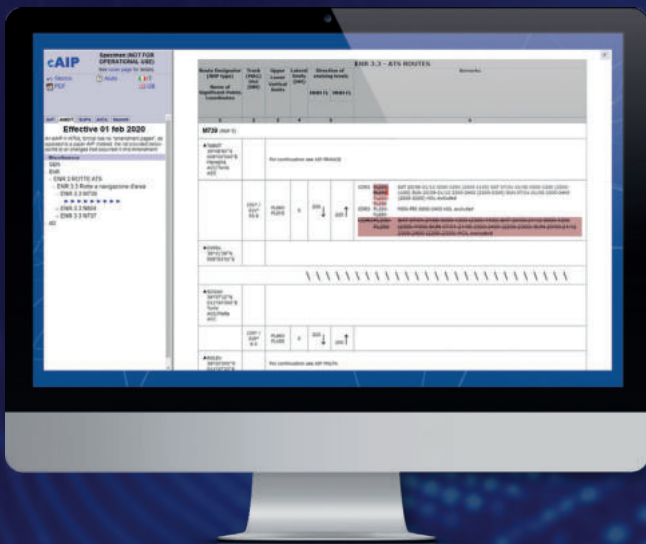
User entered textual data

Charts and images from WeCatalog

AERONAUTICAL PUBLICATION

Main outputs

- Aeronautical Information Publication (AIP)
- Electronic Aeronautical Information Publication (eAIP)
- AIP Amendment (AMDT)
- Aeronautical Supplements (SUPs)
- Aeronautical Information Circulars (AICs)
- Cover Page
- Checklists
- Table of Contents (TOC)
- Published AIP Management System (PAMS)
- Airport Manual



Collaborative publication workflow & roles

ADMINISTRATOR ———— ✓ EDITOR ———— ✓ VERIFIER ———— ✓ SUPERVISOR

- **Administrator:** Creates and manages publications and templates
- **Editor:** Edits publication contents and generates preview versions
- **Verifier:** Approves completed sections
- **Supervisor:** Approves the final publication

Benefits

- **Simplified Deployment:** 100% web-based, no local installation, enabling remote access to both draft and final publications.
- **Regulatory Compliance:** Designed in line with ED-153 ANS Software Safety Assurance and aligned with major aeronautical regulations.
- **Enhanced Data Quality:** Automated processes reduce manual steps, improve data integrity, and shorten publishing cycles.
- **Seamless Integration:** Fully integrated with IDS AirNav and connected to AIXM databases for data management, dissemination, publishing, and chart.

Functionalities

- **Multi-User Concurrent Workflows:** simultaneous editing of any publication by multiple users.
- **Customizable UI with Tooltips:** intuitive interface with smart guidance for ease of use.
- **Secure Role-Based Access:** authentication via username and password for controlled access.
- **Structured Text Data Management:** managing textual data based on temporality and reuse content across publications (export/import) with possibility to organize them in sources.
- **Live PDF/HTML Preview:** real-time visualization of each section to avoid mistakes.
- **Automated PDF Output:** automatic generation of Cover Page, checklist, and amendment outputs.
- **eAIP Website Generation:** automatic generation of digital aeronautical publications to make them available on electronic devices.

