WePub
Web-Based Aeronautical Publishing

» **Automated AIP Production**
A compliant, easily deployed and efficient solution forAeronautical Publication production

ICAO Annex 15 requires each State to publish an Integrated Aeronautical Information Package (IAIP) including:

- Aeronautical Information Publication (AIP)
- AIP Amendments (AMDT)
- Aeronautical Supplements (SUP)
- Aeronautical Circulars (AIC)

In addition to the traditional (paper based) format of the IAIP the implementation of the ICAO AIS to AIM Roadmap requires the production of an electronic version called eAIP (Electronic Aeronautical Information Package).

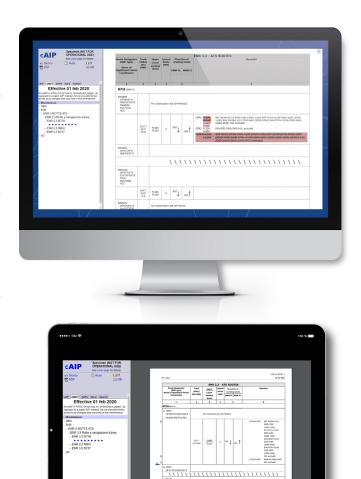WePub is the IDS AirNav web-based solution for management and automated generation of Aeronautical Publications.

WePub integrates textual information, maps and images with structured data coming the aeronautical database and automatically generates the amendment to the officially issued publication. Additionally, WePub offers users the capability to generate an eAIP website according to EUROCONTROL specifications and customers' needs.

WePub is in line with Aeronautical Regulations including ICAO Annex 15, European Commission regulation No.73/2010 (ADQ - Aeronautical Data Quality) and the "Electronic AIP (eAIP) Specification" developed by EUROCONTROL.

Being web based, WePub can easily be deployed in different environments while the capability to acquire structured data from multiple data sources makes it a suitable tool for all ANSPs.

WePub comes includes default ICAO publication templates but users can configure the product in order to publish multiple types of documents according to local specifications. Being fully configurable, WePub is also suitable for the generation of "non-AIP" publication as for example the Airport Manual for Aerodrome Operators.

WePub Web-Based Aeronautical Publishing

Technology: WePub provides client-server architecture based on state-of-the-art web technology.

Supported Publications: AIPs, Supplements and Circulars. Based on compliance with international standards and practices such as ICAO Annex 15 and SARPS WePub also offers the capability of customization according to customer needs.
Document Editing: A collaborative system allows multiple users to edit the same document simultaneously. The provision of an AIP Like Interface facilitates users in the editing of AIP textual data without third party COTS systems.

Data Collection: External Data Originators can submit Change Proposals via the web interface and AIP editors can process the change requests.
Data Referencing: Generate publications using input from an Aeronautical Database. References to AIXM data are replaced by the real values and displayed according to the format defined during document creation.

Output: Live preview of the final document for AIP and eAIP, including change highlights (change bars, conditional text). Automatic generation of:

- Amendment Cover Page
- Checklist (GEN 0.4)
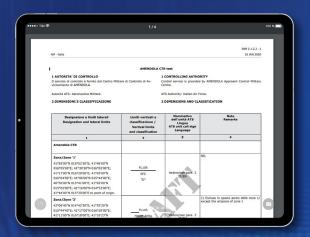- Table of Contents (GEN 0.6, ENR 0.6, AD 0.6)

Benefits

Simplified Deployment: As it is based on client-server web technology WePub allows users to work remotely without local software installation and includes access to published (draft and final) versions of documents.

Compliance: WePub is developed according to ED-153 Guidelines for ANS Software Safety Assurance and allows easy compliance with all Aeronautical Regulations.

Efficient Data Quality: The extensive use of automation considerably reduces the need for manual interaction by operators during the publishing process allowing increases in the level of quality and integrity of the publications and, at the same time, decreasing the effort required to complete the publishing process.

Integration: Full integration with the IDS AirNav suite allows the EUROCONTROL Aeronautical Data Quality (ADQ) mandate to be respected. Connection to AIXM databases for aeronautical data management, data dissemination, publishing and charting is ensured with no additional cost for the customer.