



Civil Aviation Safety Authority
of Papua New Guinea

Advisory Circular

AC175-12

Electronic AIP (eAIP)

Initial Issue

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GENERAL

Civil Aviation Authority Advisory Circulars (AC) contain information about standards, practices and procedures that the Director has found to be an Acceptable Means of Compliance (AMC) with the associated rule.

An AMC is not intended to be the only means of compliance with a rule, and consideration will be given to other methods of compliance that may be presented to the Director. When new standards, practices or procedures are found to be acceptable, they will be added to the appropriate Advisory Circular.

PURPOSE

This Advisory Circular provides methods, acceptable to the Director, for showing compliance with the aerodrome certification exposition requirements of Part 175 and explanatory material to assist in showing compliance.

RELATED CAR

This AC relates specifically to CAR 175.152 – Electronic AIP (eAIP)

CHANGE NOTICE

There was no previous issue of this AC, consequently no change is in effect.

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CHAPTER 1 – ELECTRONIC AIP (eAIP)

1.1 General

The AIP, AIP Amendment, AIP Supplement and AIC can be provided as an electronic document, referred to as an electronic AIP (eAIP), which either complements the printed version of the AIP or represents the sole means of publication.

The eAIP should be viewable on computer screens and be able to be printed on paper. It does not, however, support the digital, computer to computer exchange of aeronautical information, which is the purpose of the digital data sets.

The eAIP offers advantages for the users and for the AIS producing the electronic document.

The main advantages for the eAIP users include:

- a) ease of browsing and searching, facilitated by Hypertext Markup Language (HTML) technology (hyperlinks, tool tips, etc.);
- b) increased ability to visualize changes;
- c) automatic updates (eliminates physically replacing pages with every amendment);
- d) easy access for all users (eliminates maintenance of expensive AIP library); and
- e) easily archived.

The main advantages for the eAIP producer include:

- a) enhanced usability;
- b) increased consistency (HTML and portable document format (PDF) documents produced from the same source);
- c) reduction in costs (eliminates printing and postage costs since internal and external users are no longer required to subscribe to paper amendments); and
- d) easily archived.

In order to fully benefit from an online eAIP, the following aspects should be considered:

- a) the website hosting the eAIP, and the PDF version of the printable eAIP should be protected by a secure sockets layer (SSL) certificate guaranteeing the authenticity and integrity of its content;
- b) its use should not be limited by a disclaimer stating, for example, that it is “for information only” or that the integrity, accuracy and completeness of the information is not reliable; and
- c) a notification process should be made available for the users to be informed about updates and changes to the eAIP (the requirement in Annex 15, Chapter 6, section 6.3.2.1 regarding trigger NOTAM still applies).

Note.— Guidance material on the use of the internet is contained in DOC 9855 - Guidelines on the Use of the Public Internet for Aeronautical Applications.

1.2 Production

An eAIP is produced using aeronautical information stored in a database. The data is extracted into a structured document using dedicated eAIP editing software. Web technologies like Extensible Markup Language (XML) and document type definition (DTD) are used in the process of creating a structured document that can subsequently be transformed into HTML for on-screen display, or PDF for printing or download. Charts and graphics can be represented in various formats; for example, using pdf, Portable Network Graphics (PNG) or Scalable Vector Graphics (SVG) formats.

Note.— The World Wide Web Consortium (W3C) is the main international standards organization for World Wide Web technologies (see www.w3c.org).

1.3 Distribution

When provided, the eAIP should be made available on a physical distribution medium or on the internet.

Making the eAIP available on the internet has the following advantages:

- a) no postal delays, i.e. the updated eAIP is available to the user immediately after the online publication;
- b) no costs for the production and distribution of the physical distribution medium; and
- c) independent of technology changes of the physical distribution medium (CD-ROM, DVD, USB sticks, etc. becoming obsolete).

Although internet publication can be immediate, AIRAC and NOTAM publication requirements still apply.