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**Document management — AFP  
interchange for PDF**

*Gestion des documents — Échange AFP pour PDF*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 171, *Document management applications*, Subcommittee SC 2, *Document file formats, EDMS systems and authenticity of information*.

This second edition cancels and replaces the first edition (ISO 22550:2019) as a minor revision.

The main changes are as follows:

- 1) The French title for this document was changed to more accurately reflect the purpose of the AFP interchange for PDF.
- 2) [Figure A.1](#) in [Annex A](#) was updated to improve readability.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

Advanced Function Presentation (AFP) is a coordinated set of document creation, viewing, archiving and printing hardware, software, and services that is used heavily in the high-speed transactional printing market, which includes the printing of financial statements, utility bills, books, and marketing materials (e.g. brochures).

AFP has proven itself in these environments due to its performance, reliability, and flexibility.

- AFP performance comes from its hierarchical object-oriented structure, resulting in a condensed data stream size and efficient reuse of print resources (document objects). The document objects managed automatically by AFP include text, fonts, overlays, images, graphics, and other resource objects such as bar codes and ICC profiles for colour management.
- AFP reliability in print environments comes from an architected bi-directional printer data stream interface that manages every page through a print system, making sure that each page gets printed correctly for security, audit, and accounting purposes.
- AFP flexibility comes from its ability to include other standard document formats such as TIFF, JPEG, and PDF as included objects within an AFP object container. These included objects can then be used like any other document object in the AFP system and can be placed anywhere on a page where they can then be printed or viewed.

While AFP has had the ability to include PDF in object containers for many years, more customers in the transactional print environment are creating workflows that combine PDF content within AFP documents. This allows them to use PDF to create the document content and then embed these PDF pages in AFP to get the performance and management they need in high-speed print environments. These 'hybrid' workflows allow them to get the best of what both PDF and AFP have to offer.

AFP itself originated within IBM as a mainstream presentation architecture. In 2009, the AFP Consortium (AFPC) was formed as a peer-based open standards organization composed of companies from around the world with an interest in AFP. The entire AFP architecture is now developed and maintained by the AFP Consortium.

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