

Converting PDF documents to PDF/A

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Introduction

Converting existing PDF documents to PDF/A can be tricky sometimes because for storing the document in PDF/A format you have to significantly restructure the source document. It involves fonts embedding, colorspace normalization and other techniques needed to produce PDF file conforming to the desired PDF/A standard version (there are PDF/A-1a, PDF/A-1b and a few more, where PDF/A-1a is the strictest version).

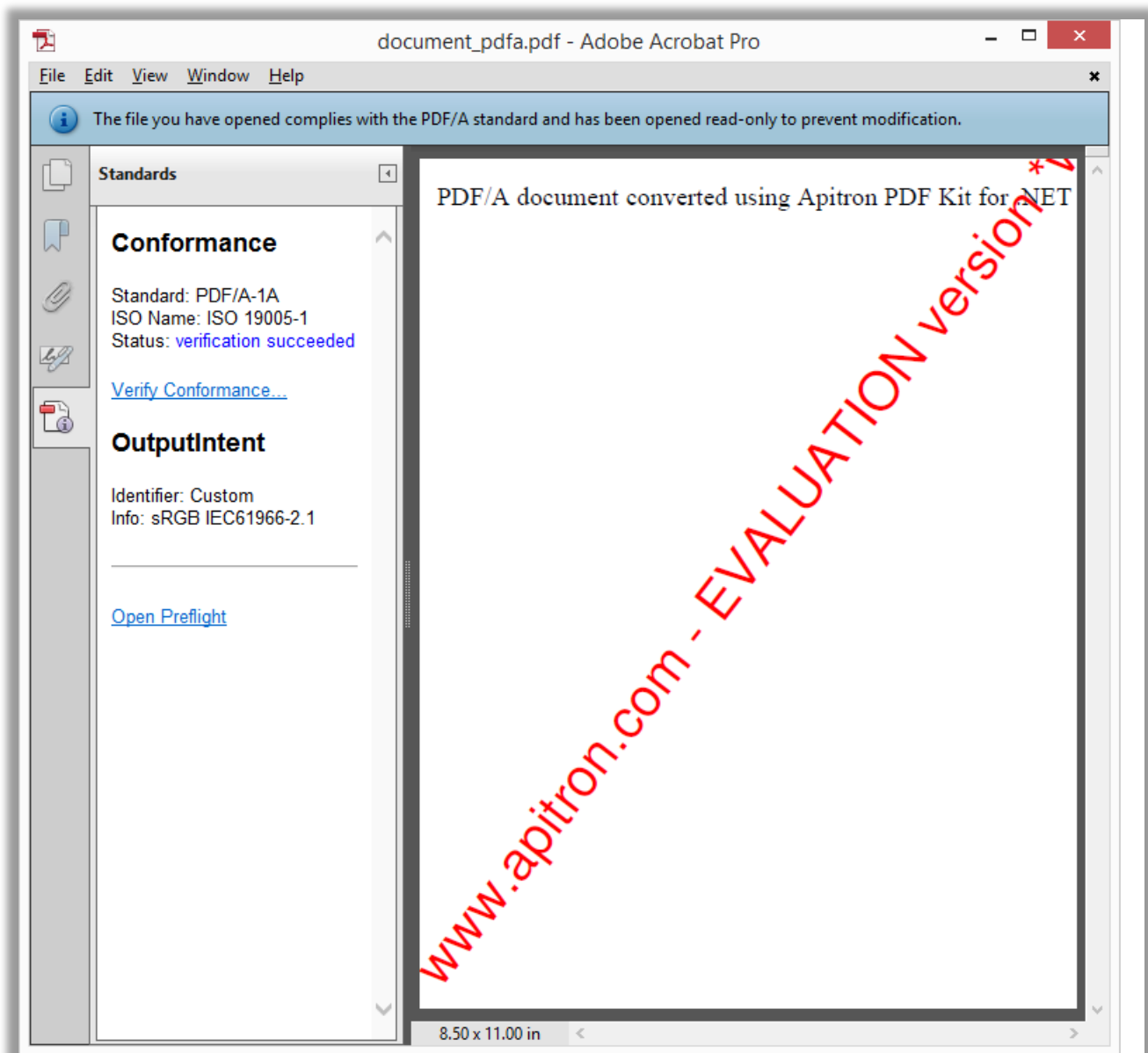
All these changes can't be performed manually, and if you need to enable your apps handle PDF to PDF/A conversion you can use the [Apitron PDF Kit for .NET](#) component. This cross-platform library available for Windows, Windows Phone, Windows Store, Silverlight, Android and iOS (via Xamarin), and Mono provides you with an easy and convenient way for creating PDF and PDF/A documents.

The code

Here is the code for converting the PDF document to its PDF/A version:

```
using (Stream inputStream = File.Open("document.pdf", FileMode.Open),
    outputStream = File.Create("document_pdfa.pdf"))
{
    using (FixedDocument pdfDocument = new FixedDocument(inputStream, PdfStandard.PDFA))
    {
        // ... you can add or edit the contents of the PDF file here
        pdfDocument.Save(outputStream);
    }
}
```

The resulting document is shown below:



Pic. 1 Converted PDF/A document

Conclusion

Other topics related to PDF conversion and manipulation are covered in our [blog](#) and in the [free book](#) available for download from our website. The latest version of the Apitron PDF Kit is available by the following [link](#). Contact us if you have any questions regarding our components and we'll be happy to help you.