

# Creating PDF/A and PDF/X Files

Overleaf

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Please note that this example will work only with `pdflatex`. In addition, `pdfx` doesn't make A-1a, A-2a and A-3a standards compliant pdf's since all the features of "tagged" pdf are not yet implemented. Only A-1b, A-2b, A-2u, A-3b and A-3u can be generated. (Thanks to Radhakrishnan CV for pointing this out!)

1. Load the `pdfx` package, specifying whether you would like to create a `a-1b` (PDF/A) or `x-1a` (PDF/X) document.
2. The timezone needs to be set explicitly. On Overleaf, this can be done in the `latexmkrc` file:

```
$ENV{'TZ'}='Europe/London';
```

or

```
$ENV{'TZ'}='GMT-6';
```

A list of supported time zones is available at <http://php.net/manual/en/timezones.php>.

3. To create PDF/A, `pdfx` needs a `sRGB_IEC61966-2-1_black_scaled.icm` file. One is distributed with the `pdfx` package on CTAN.
4. To create PDF/X, `pdfx` needs a `coated_FOGRA39L_arg1.icc` file. One is distributed with the `pdfx` package on CTAN.
5. **(Optional)** You can provide metadata in `main.xmpdata`, e.g.

```
\Title{Creating PDF/A and PDF/X Files}  
\Keywords{pdfTeX\sep PDF/X-1a\sep PDF/A-b}  
\Author{LianTze Lim}  
\Org{Overleaf}
```

If `main.xmpdata` is present, `pdfx` requires it to contain at least `\Title` and `\Author`. For more information about other kinds of metadata than can be included, see the `pdfx` documentation at <http://texdoc.net/pkg/pdfx>.