# EPUB support

The format of actual production input files will mainly be EPUB 3, which therefore must be supported.

## Status

A generic EPUB-to-PEF script is already available.

### Missing features

* *Need to have*: A custom EPUB-to-PEF script with Nota-specific CSS and preprocessing steps.

# DTBook 1.1.0 support

This is a bit tricky. Depending on how we want to use the new system, it may be necessary to have support for DTBook 1.1.0 alongside EPUB 3. If we want do ditch the old system entirely, DTBook 1.1.0 support will be a requirement, as we need a way to produce braille from old input files. I would regard that as the better solution, and so it's what I hope will happen, but it seems to me that this is a political as much as a technological issue.

## Status

DTBook-to-PEF is already implemented for DTBook 2005-3. The Nota version of this script could be extended to include support for DTBook 1.1.0, which isn't *that* different, or conversion from 1.1.0 to 2005-3 could happen in a preprocessing step.

### Missing features

* *Need to have* or possibly *nice to have*: Support for DTBook 1.1.0.

# Generated content

Braille books require a certain amount of generated content: title pages, colophons, TOCs.

## Status

Functionality for inserting generated content seems to be in place. The Nota DTBook-to-PEF script is already generating a title page, for example.

### Missing features

#### Title pages

* *Need to have*: The total number of volumes must be shown along with the current volume number, e.g. "3. punktbind af 14". The current volume number is already available in CSS. The total number may be as well, but in that case I haven't yet seen how to use it in CSS.

#### Colophons

* *Need to have*: Colophons for each volume should show the range of print pages contained in the volume.

# Tables

Tables should be formatted as lists. The grouping of cells should differ based on tables' @class values.

## Status

Basic formatting is in place. Grouping is in place.

### Missing features

* *Need to have*: I'm unsure whether merged data cells (with @colspan and/or @rowspan) are now supported. If not, this important feature has high priority.
* *Need to have*: The @class value "render\_by\_both" should show the table twice: first rendered by row, then rendered by column. Incorporating this in CSS may be difficult, but it should be easy to implement as a preprocessing step.

# Translation

In contracted braille it is quite important that text which is not suitable to Danish-language contraction rules appears in uncontracted form. Such text is marked up in input files.

Also, to save space, we don't indicate capital letters. The tables used by the Nota scripts should not distinguish between uppercase and lowercase letters. We could use an option, as Dedicon do, to enable/disable capital letters; however, this has low priority.

We do not currently support indication of emphasis. It is not a requirement that we be able to do so, but I thought it would be nice to have the possibility – assuming it is fairly easy to implement (as far as I can see, it's just a matter of using ::before and ::after on the appropriate elements).

## Status

I'm guessing this functionality is already in place in the form of the CSS text-transform property, but it hasn't been part of any system test as far as I remember.

### Missing features

* *Need to have*: Contraction must be skipped for elements with a specific @class value ("uncontracted" or similar).
* *Need to have*: Contraction must be skipped for elements with an @(xml:)\*lang value other than "da". The system shouldn't attempt to do actual language switching by using different translation tables based on language attributes. Foreign-language text should be translated according to the Danish table without contractions.
* *Need to have*: Indication of capital letters must be disabled by default.
* *Nice to have*: An option which enables/disables indication of capital letters.
* *Nice to have*: Support for indication of inline emphasis (<em> and <strong>, probably with some kind of @class value to indicate proper emphasis).