

Position Paper for Second W3C Workshop on Electronic Books and the Open Web Platform

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Participant's Interest

I work for Toppan Printing. Now, Toppan is developing the font for reading eBooks. I want to enrich more fonts in eBooks. I think, font environment of eBooks is not the rich in the following three points.

- *Fonts to choose as result are less.*
- *Fonts are changed by the reading system.*
- *Fonts designed for read the screen are less yet.*

These may be specific issues in East Asia.

(ex: Large character set, Large font file size, High production costs etc.)

Point of View

So, We went the communication by text from the old days. Then, with the development of printing technology, it should be able to transfer information over a wide range, in which text layout technology has evolved.

The goal of text layout technology, is based on the notation and principle typesetting of the target language, and provide the reader with text to meet the following requirements.

- *Easy to read*
- *Difficult to misreading*
- *Appearance is good*

Three elements are important for the realization

- *Text layout specifications*
- *Rendering engine*
- *Fonts*

Earlier point is cleared by the synergies of these three elements. You can perform more natural textual representation. Thus, the synergies is not maximized even a part of this is developed.

As I said at the beginning, since the font of eBooks are currently not rich, we should have more the user experience with it improved.

Suggestion

Technically is support for the embedding font to eBooks. (Subset of fonts and obfuscated embedded) Even today, at reading some systems, supports embedding fonts, I think that the implementation is not very difficult.

The biggest challenge is for distributed free of charge to the authorization given by the subset fonts embedded in the EPUB, I think that obtain font Beneficiary Certificate Holders and consensus. In the PDF to keep the problem is solved, but EPUB is not solved. Why is that?

What we need to clear this problem, I want to consider.