## 2. Characters and phrases

### 2.3 Font styles

[ address emphasis ]

### 2.6 Transforming characters

*uppercase, capitalised and lowercase alternatives according to your typographic needs? Do you need to to convert between half-width and full-width presentation forms?*[*See available information*](http://w3c.github.io/typography/index#transforming_characters)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Atext-transform%20label%3Atype-info-request)*.*

There should be a way to automatically convert word-space characters to ordinary spaces, and vice versa.

The [layout requirements document](https://w3c.github.io/elreq/#space_wordspace_substitution_rules) has an algorithm that can be used to convert between the two.

### 2.7 Numbers & digits

*If the script has its own set of number digits, are there any issues in how they are used? Does the script or language use special format patterns that are problematic?*[*See available information*](http://w3c.github.io/typography/index#numbers)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Anumbers%20label%3Atype-info-request)*.*

Digits have lines above and below. Modern practice tends to use discreet lines associated with each characters, however older texts used a single line across the whole set of adjacent digits. See examples in the [layout requirements document](https://w3c.github.io/elreq/#space_wordspace_substitution_rules). This difference is likely due to technology constraints. Presumably, a continuous line could be applied using OpenType functionality, but there may be a question about whether a control should allow to switch between one style and the other.

Try the [test page](http://w3c.github.io/typography/gap-analysis/tests/ethi/numeral-bars.html).

Initial results indicate that a single line is produced by Noto Sans Ethiopic and Noto Serif Ethiopic, but not by Kefa or Abyssinica SIL fonts.

There is a question as to whether this should be managed by font choice, or whether a switch should be available to users, eg. in CSS, that allows the desired approach to be applied.

In addition to the question just mentioned, I'm not able to ascertain the impact of this feature for the user, so no priority has been assigned at this point.

### 2.8 Text boundaries & selection

*When you double- or triple-click on the text, is the expected range of characters highlighted? When you move through the text with the cursor, or backspace, etc. do you see the expected behaviour? Are there issues when applying punctuation than could be fixed by the application?*[*See available information*](http://w3c.github.io/typography/index#graphemes)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Aboundaries%20label%3Atype-info-request)*.*

There's a question about whether double-click selection should pick up the wordspace character as well (it does in MS Word, but spaces are not picked up in Firefox for text with normal spaces between words...).

### 2.9 Quotations

*Are there any issues when dealing with quotations marks, especially when nested? Should block quotes be indented or handled specially?*[*See available information*](http://w3c.github.io/typography/index#quotations)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Aquotations%20label%3Atype-info-request)*.*

## 3. Lines and Paragraphs

### 3.1 Line breaking

*Does the browser capture the rules about the way text in your script wraps when it hits the end of a line? What characters should not appear at the end or start of a line, and what should be done to prevent that? Does line-breaking wrap whole 'words' at a time, or characters, or something else (such as syllables in Tibetan)?*[*See available information*](http://w3c.github.io/typography/index#line_breaking)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Aline-break%20label%3Atype-info-request)*.*

Need to run a test to check whether the ethiopic characters that shouldn't appear at line end/start behave as expected given the [elreq rules](https://w3c.github.io/elreq/" \l "ethiopic_line_breaking).

And need to test whether lines break between characters. Firefox appears to allow this, but Chrome and Safari wrap whole words (with wordspace) instead. Marking this, therefore, as basic issue. Need to check what the CSS spec says.

3.2 Hyphenation

*Is hyphenation used for your script, or something else? If hyphenation is used, does it work as expected?*[*See available information*](http://w3c.github.io/typography/index#hyphenation)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Ahyphenation%20label%3Atype-info-request)*.*

There seems to be a [question](https://w3c.github.io/elreq/#ethiopic_hyphenation) about whether hyphenation is useful.

### 3.3 Justification

*When text in a paragraph needs to have flush lines down both sides, does it follow the rules for your script? Does the script need assistance to conform to a grid pattern? Does your script allow punctuation to hang outside the text box at the start or end of a line? Where adjustments are need to make a line flush, how is that done? Do you shrink/stretch space between words and/or letters? Are word baselines stretched, as in Arabic?*[*See available information*](http://w3c.github.io/typography/index#justification)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Ajustification%20label%3Atype-info-request)*.*

When text uses ethiopic wordspace the wordspace should expand to assist in justification. Need some tests to check whether than happens. This is a basic issue, so if tests fail, we need to change the status of this section.

However, there need to be some rules about how to position the ink within the wordspace character (with the word, or centred), and a control to allow the preferred style of positioning. I'm classifying that as an advanced control. See [the requirements](https://w3c.github.io/elreq/#ethiopic_justification).

### 3.4 Counters, lists, etc.

*The CSS Counter Styles specification describes a limited set of simple and complex styles for counters to be used in list numbering, chapter heading numbering, etc. Are the details correct? We have another document that provides over 120 templates for user-defined counter styles in over 30 scripts. Are there more? Are there other aspects related to counters and lists that need to be addressed?*[*See available information*](http://w3c.github.io/typography/index#counters)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Acounter-styles%20label%3Atype-info-request)*.*

Ethiopic script text uses local counter styles. While some of these are supported by some browsers, the set of symbols used and their order varies by language. Custom counter styles can be created using Firefox only. The CSS spec needs to become a Rec and more browsers need to support it.

There is also a question (which is probably an advanced issue) about whether counters should align to the left or right.

### 3.5 Initial letter styling

*Does the browser or ereader correctly handle special styling of the initial letter of a line or paragraph, such as for drop caps or similar?*[*See available information*](http://w3c.github.io/typography/index#initial_letter)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Ainitial-letter%20label%3Atype-info-request)*.*

## 4. Layout & pages

**4.4 Page numbering, running headers, etc.**

*Are there special conventions for page numbering, or the way that running headers and the like are handled?*[*See available information*](http://w3c.github.io/typography/index#page_numbering_running_headers)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Apage-numbering%20label%3Atype-info-request)*.*

Assumed to be same as for English, in general. However, [elreq proposes](https://w3c.github.io/elreq/" \l "h_page_numbering) that users should be able to toggle between European and Ethiopic numerals for the page numbering.

### 4.5 Other page layout & pagination features

*Some cultures define page areas and page progression direction very differently from those in the West (eg. kihon hanmen in Japanese). Is this an issue for you? Are widows and orphans relevant? In what order do pages progress, RTL or LTR?*[*See available information*](http://w3c.github.io/typography/index#more_page_layout_and_pagination)*or*[*check for currently needed data*](https://github.com/w3c/i18n-activity/issues?utf8=%E2%9C%93&q=is%3Aissue%20is%3Aopen%20label%3Apagination%20label%3Atype-info-request)*.*