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Proposals from the Script Encoding Initiative

Title

Request for 2 New Cyrillic Characters for the Khanty and Nenets Languages

Permalink

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In the proposal (page 7), the authors distinguished the tail from the descender or hook modification, but added that the linguistic sources consulted did not consider the descender to be a variant of a hook.

In response to the proposal, a second document was submitted (L2/05-215) by D. Anderson, which provided feedback from various scholars and experts. Several scholars strongly advised that the user communities be directly consulted. The feedback document also recommended verification be sought for Khanty. Unfortunately, no follow-up was done to gather further input on Khanty or to obtain examples from the native communities until contact was made with Tapani Salminen in late 2011 on this topic.

Because the original proposal for EL WITH HOOK cited only one figure for Khanty with running text, and contained no examples published in the native territory, we recommend the UTC carefully review the discussion with examples provided below and consider encoding EL WITH DESCENDER, as well as making changes to existing annotations.

Use of EL WITH DESCENDER in the Khanty and Nenets languages

Tapani Salminen reports that in native publications of the Northern Khanty, Eastern Khanty, and Forest Nenets languages, the EL WITH DESCENDER is used (see figs. 1, 2, 3).

The appearance of the hook in some publications, particularly those outside of the native communities, was due to the predominance of a particular font (“Prosveshchenie”) used by a publisher in St. Petersburg, which in turn influenced a few other publications. In the Prosveshchenie font, the “appendage” appears as a hook. However, in common typographic practice, Northern Khanty, Eastern Khanty, Forest Nenets, and Tundra Nenets use a descender.⁸

In sum, without EL WITH DESCENDER it is impossible to compose coherent electronic publications in Northern Khanty, Eastern Khanty and Forest Nenets, among other languages. Lack of EL WITH DESCENDER also poses problems for searching. EL WITH DESCENDER has been used by members of indigenous nations for the writing of their native languages for several decades, and there is great potential for electronic publishing that would directly benefit from having the full range of the local alphabets covered by Unicode.

Use of descenders on other letters in the Khanty and Nenets languages

Although the request is specifically to encode EL WITH DESCENDER, it is to be noted that descenders appear on other letters used by the Khanty and Nenets languages (see images from native publications):

- EN WITH DESCENDER [U+04A2/3] used in Northern Khanty (fig.1), Eastern Khanty (fig. 2), Forest Nenets (fig. 3), Tundra Nenets (fig. 4)
- KA WITH DESCENDER [U+49A/B] used in Eastern Khanty (fig. 2)

several projected alphabets for a single language, and for different publishing houses to use different alphabets.” (Berndikov: 38) This seems to reflect the situation for Khanty.

⁸ An example of the influence of the Prosveshchenie font appears in figure 5, taken from a dictionary of the Forest Nenets published in Moscow, in which the EL WITH DESCENDER and EN WITH DESCENDER appear with a hook-like shape. Compare the Forest Nenets examples in figure 3, which is printed in the native territory.

- CHE WITH DESCENDER [U+04B6/7] used in Eastern Khanty (fig. 2)

Based on this evidence, the annotations for certain “hook” characters in the Unicode Standard need to be revised. “Khanty” should be removed from annotations on the following characters (as well as the subhead above U+0512/3 EL WITH HOOK and possibly U+0510 and U+0511 CYRILLIC REVERSED ZE, see footnote 9):

- U+04C3/4 KA WITH HOOK
- U+04C7/8 EN WITH HOOK

Character Properties

052E;CYRILLIC CAPITAL LETTER EL WITH DESCENDER;Lu;0;L;;;;N;;;052F;
052F;CYRILLIC SMALL LETTER EL WITH DESCENDER;Ll;0;L;;;;N;;;052E;;052E

Collation

CYRILLIC LETTER EL WITH DESCENDER should sort after EL WITH TAIL (04C6) and before EL WITH HOOK (0513), following the pattern for CYRILLIC LETTER EN.

FIGURES

Figure 1. Below is an image of Northern Khanty, from the Хӑнты ясаң newspaper № 52 (3184; 27 December 2008). (Хӑнты ясаң is a newspaper published in Northern Khanty, Eastern Khanty, and Forest Nenets.) As can be seen in the figure, the current Northern Khanty orthography incorporates EL WITH DESCENDER, EN WITH DESCENDER, and UKRAINIAN IE. The characters known as EL WITH HOOK, EN WITH HOOK, and REVERSED ZE⁹ are not used in common Northern Khanty orthography. (Source: http://www.helsinki.fi/~tasalmin/Northern_Khanty.jpg)

Валентина Нико-
лаевна, тӑдаң ёш,
тӑдаң кӑр нӑңена!

⁹ Hence, the current annotation for U+0510 and U+0511 CYRILLIC REVERSED ZE, which says “Khanty”, should be removed, pending further study.

Figure 2. The image below comes from the same issue of the Хӓнты ясаң newspaper as figure 1, but the language on this page is Eastern Khanty. Its current orthography incorporates KA WITH DESCENDER, EL WITH DESCENDER, EN WITH DESCENDER, and CHE WITH DESCENDER. The character known as KA WITH HOOK, just like EL WITH HOOK and EN WITH HOOK discussed above, is not used in common Eastern Khanty orthography. (Source: http://www.helsinki.fi/~tasalmin/Eastern_Khanty.jpg)

Қул кӓнччӓ кӓ

Әй пухӓлнӓ кул кӓнччӓ ики вӓл. Әймӓтӓ латнӓ кул кӓнччӓ ики йӓвӓны ай рытнат мӓн. Сарнӓ йӓвӓн йӓчӓнӓ сорӓм мӓх. Ванхӓ йӓвӓт, қолӓп қӓчӓхтӓтӓ йӓх. Қолӓп қӓв. Лӓрпилӓтӓх, лӓрпилӓтӓх, әй латнӓ вӓрхӓ ти йӓх. Ар кулнӓ питы. Кулӓт рыта пӓн, йӓңқӓнам мӓн. Ики пухӓла йӓвӓт, утӓ қил.

ӓлал. Кӓнчӓт қӓвӓт. Вӓс икинӓ пырипи: «Нӓң қӓяхи вӓсӓн?» «Ма ӓяң қӓ вӓсӓм. Қӓтя, вӓв йичалди!» – пырӓс ньӓвмилӓл. ӓяң қӓ ястӓл: «Вӓс икиия вӓвам ӓнтӓ йӓвӓтл. Ма пӓткахтӓлӓм, вӓр ар тӓйлӓм.

«Лӓв тӓӓқа тенӓ! – пытӓмтӓх Вӓс ики. – Рытӓ махӓлтӓ кирӓх-

«Кулпӓм лӓрпитӓтӓхӓ пыхӓрта! Вӓс ики қолӓп лӓрпитӓтӓхӓ ымӓл. ӓяң қӓнӓ лупнат ухӓди мӓтқӓмты. Вӓс ики йӓңқа кӓрӓх. Йӓмат кӓчақди. Атӓм турат вӓккӓтӓх. Ӗс тӓю пырӓс ики қынт илмӓхтӓх панӓ йӓқӓнам нӓрӓхтӓх.

Руслан
КУРЛОМКИН

Figure 3. The figure below is from still the same issue of the Хӓнты ясаң newspaper as figure 2, but the language is Forest Nenets, whose orthography has EL WITH DESCENDER and EN WITH DESCENDER. What was said above about EL WITH HOOK and EN WITH HOOK is valid in the case of Forest Nenets as well. The phrase in parentheses in Eastern Khanty for ‘in the Nenets language’, and the last three words following the author’s name are in Eastern Khanty as well.¹⁰ (Source: http://www.helsinki.fi/~tasalmin/Forest_Nenets.jpg)

Тӓлӓха

(ЙӓРХАН ЯСӓН)

Ҙамы тӓхананта тӓлӓха тидимай. Пытта ваңкшахана тидиңа. Чоняку тоңа, ваңкшахата питалата. Тӓлӓха куняңӓ кай”не. Петалахана тӓтылӓ, тӓтылӓ. Кимяхалт ничахаст мят ңайптаман. Тӓлӓха пӓутӓң танай, хӓв-

кат маныңа, маншту: пӓ”ниня ваңкшатай шелта. Куптаң хӓвкат пытяханта ваңкшаутем шелтапича. Тӓлӓха ваңкшантай пытай. Ваңкшаутета хомяхама, чекехента пытта тидина. Хӓвкат мячеш тошту.

Анжела ИСЛАМОВА

Варӓң йӓвӓн пухӓл

¹⁰ Note: The letter SCHWA WITH DIAERESIS is a provisional replacement of E WITH DIAERESIS, i.e. ӓ, in regular Forest Nenets orthography, based on Khanty influence.

Figure 4. The image below comes from Фольклор народов Таймыра, выпуск 2: ненецкий фольклор (составитель К. И. Лабанаускас; Дудинка 1992). This folklore collection in Tundra Nenets was published locally in the Tundra Nenets country, and it continues employing regular, classic typography for EN WITH DESCENDER. Other publications created in the native territory, both printed and electronic, in Tundra Nenets and in neighbouring indigenous languages, follow similar practice. (Source: http://www.helsinki.fi/~tasalmin/FN92_30.jpg)

МАҢБАДА ВЭСАКО

Маңбада вэсако' няхар" не нюдя ңэвы. Ңули" вэавна

Figure 5. The image below comes from Русско-ненецкий словарь (лесной диалект): Пособие для учителей и учащихся начальных классов (Москва: Икар, 1997) by Е. Н. Вожакова. This tiny dictionary of the Forest Nenets language, published in Moscow, shows an orthography with both EN WITH DESCENDER and EL WITH DESCENDER. The design of characters is based on the classic model but influenced by the Prosveshchenie font. Since EL WITH DESCENDER is currently not included in Unicode, local authors resort to ad hoc solutions such as using the Kildin Saami characters with a “tail” which, however, do not fit the purpose either formally or functionally. (Source: <http://www.helsinki.fi/~tasalmin/Vozhakova.jpg>)

Пыт ңамылкай каля катаңан?