NOKIA Developer

Arabic glyphs for spacing forms not properly displayed with LCDUI in Java ME

Overview

Some Arabic glyphs, are not properly displayed with LCDUI in Nokia's SDKs for Java, while the same glyphs are properly displayed in Oracle's Wireless Toolkit emulator. Text rendering completely ignores these Arabic diacritics on Nokia devices.

Description

The following Unicode glyphs in isolated form cannot be displayed as a String appended to an LCDUI Form:

Affected glyphs	Isolated Unicode Form
	064B
	064C
	064D
	064E
	064F
	0650
	0651
	0652

How to reproduce

Assuming that **mainform** is an LCDUI Form object, one could append Arabic characters as a String by using their unicode representation as follows:

mainform.append("\u064b");

Affected SDKs

The above code does not display the proper Arabic glyph on the following emulators:

- Nokia SDK 1.0 for Java
- Nokia SDK 1.1 beta for Java
- Nokia Belle SDK v0.6

Oracle's Wireless Toolkit version 3.0, displays the glyphs properly.

Solution

No solution is currently available for this issue.

See also

The Unicode Standard, Version 3.2 - Arabic Representation Forms