EPAR - Help for your fonts

Ted Harrison, President
Fontlab Ltd.
Introduction

- We have a unique opportunity now to educate users about font licenses and to add license and customer information to fonts.
- This is an educational initiative. It is NOT about Digital Rights Management.
Topics of Discussion

- EPAR
  - Embedding Permissions And Recommendations
  - A new OpenType table
- EPAR editors
  - Online EPAR editor
  - Coming soon to Fontographer, FontLab Studio, TypeTool
Our Goals

- Raise public awareness of font EULA terms and conditions
- Decrease casual font piracy
- Increase font license upgrades
Our Motives

- More font sales =>
- More font design =>
- More font software sales
Our Principles

- Simplicity – no new formats, plugins, font checkers or anti-piracy devices.
- Make it easy for the customer to do the right thing.
- KISS – anything costly or complicated will not be used or accepted by users.
The Plan

- Determine data components
  - Done - EPAR
- Devise method to add info to fonts
  - OpenType table
- Tools to add info to fonts
  - Online EEULAAeditor
  - FOG5.1 will be first integrated app
- Create a freely distributable DLL to interpret the data
- ISO standardization
- Promote the idea to application developers, especially font managers
EPAR Table Binary Structure (Version 1)

This document defines version 1 of the binary structure of the EPAR (Electronic Permissions and Recommendations) table, the context of which is specified in the EPAR specification document.

**General Concepts**

In general the table follows the principles that are common for other OpenType tables. Which are:

1. Tight structures organized into tables when needed.
2. All numbers are encoded as big-endian (as in PostType and GPOS).
3. All name types are the same as in the OpenType Font File specification.

**Strings**

Strings are encoded with the UTF-16BE encoding scheme. String lengths are stored in appropriate structures. Strings are not null-terminated.

**Languages**

String values may be supplied in many languages. However, every string must have a US English version and must always come first. In version 1, only the US English version is provided.

The language of a string is specified using the Language IDs as defined in the Windows Language ID (platform ID = 3) list of the [Windows Font Table] definition.

**Table Content**

The EPAR table contains the following primary parts in the specified order:

- Licensee information
- Permissions information
- Recommendations
- EULA info
Licensee Information

- License date
- Serial number
- Licensee name
Permissions

- Bundle
- Compress
- Convert
- Docembed
- Vidembed
- Appembed
- Units
- Link
- Meter
- Modify
- Site
- Transfer
Recommendations

- Xscaling
- Bold
- Curvebase
- Decontext
- Decompose
- Ltrspace
- Justify
- Hyphen
- Oblique
- Overscaling
- Scale
- Strike
- Stroke
- Textset
- Uninstruct
- Unkern
- Underscore
EULA info

- EULAURL
- UPURL
- EPARURL
- EPARver
Next Steps

- Integration into FOG5, TransType 4, Fontlab Studio 6, TypeTool 4
- Integration into font manager software
- Integration into applications
Online EPAR editor

- Requires Java Runtime Environment
- Windows 2000+ or Macintosh OS X 10.5+
- http://www.timdoodle.com/FontLabIreland/

EEULAAEditor Beta 5

The EEULAA Editor has been executed on Windows XP with JRE 6 Update 21 Update 13.

System Requirements:

- Windows 2000/XP/Vista/7: JRE 6 Update 13 minimum (JRE 6 Update 18 or higher)
- Mac: JRE 5 Update 16 (version 1.5.0_16) minimum or Java for Mac OS X

You can determine the version of Java you are using by visiting www.javatester.com.

Get the Java Runtime Environment (JRE) at www.java.com.

Click on EEULAAEditor to launch the EEULAA Editor in its own window.
Online EPAR Editor
Online EPAR Editor

What are the limitations for the following units?

If the license limits use to a certain number of users, devices, printers, etc. specify below whether it is limited and if limited, then specify the number of units to which it is limited.

Examples: Limited 5 Users, Unlimited Devices. Any combination of units may be specified.

- Unspecified
  - Limited 0 Users (1..64000)
  - Unlimited

- Unspecified
  - Limited 0 Devices (1..64000)
  - Unlimited

- Unspecified
  - Limited 0 Printers (1..64000)
  - Unlimited

- Unspecified
  - Limited 0 Servers (1..64000)
  - Unlimited

- Unspecified
  - Limited 0 Workstations (1..64000)
  - Unlimited
Online EPAR Editor

EEULAA Editor Build 5 Beta (New_EEULAA_1.epar)

Scaling of the font either x or y assymmetrically expressed as a min/max percent scaled difference.

- No Recommendation
- Not Recommended
- Recommendation

<table>
<thead>
<tr>
<th>X Scaling</th>
<th>Min</th>
<th>0</th>
<th>0 .. 100% of em</th>
<th>Max</th>
<th>0</th>
<th>0 .. 100% of em</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y Scaling</td>
<td>Min</td>
<td>0</td>
<td>0 .. 100% of em</td>
<td>Max</td>
<td>0</td>
<td>0 .. 100% of em</td>
</tr>
</tbody>
</table>
Any Questions?

- Keep an eye on the ATypI listserv for upcoming developments and to add your comments.
- Join the ATypI EULA SIG
Fontlab Indic script poster

- Educational
- Decorative
- Historical, technical, didactic, or illustrative
- Send your poster ideas to ted@fontlab.com