ATM Software for Windows and the ATMINF O Escape for Device Drivers

Adobe Developer Support

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ATM Software for Windows and the ATMINFO Escape for Device Drivers

Default ATM Behavior

If `EnumFonts()` is executed on a device context (DC) which is not a PostScript™ output device, Adobe Type Manager™ software will intervene and enumerate all available Type 1 fonts. The application’s list of fonts will then include those enumerated by GDI, the printer driver, and by the ATM™ software. Additionally, during font creation the ATM software will again step in and realize the font if it is a Type 1 font. Finally, during GDI text imaging calls, the ATM software will rasterize to both the screen and to non-PostScript language printers, any fonts which it has realized.

A New Escape

ATM software version 2.0 for Microsoft® Windows™ introduces the ATMINFO escape which provides a way for printer drivers to alter the intervention process. The ATM software will query the device with the ATMINFO escape each time the device is made active.

The driver returns a value which informs the ATM software of the actions it should perform. Currently, only one action is supported – complete suppression of the ATM software intervention. That is, it will not enumerate or rasterize fonts for the DC. The syntax for the escape is as follows:

**ATMINFO (Escape # 520)**

```c
short Control (lpPDevice, ATMINFO, lpInData, lpOutData)
```

This escape allows a device driver to control the ATM software handling of font enumeration and printing. A device driver that wants the software to perform its default behavior does not need to implement this escape or, it may return 0 in `lpOutData`. A device driver that wants the ATM software not to intervene in font enumeration and text printing should return 1 in the value `lpOutData`.
### Parameter Description

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
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<tbody>
<tr>
<td>lpPDevice</td>
<td>A long pointer to a data structure of type PDEVICE.</td>
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<tr>
<td>lpInData</td>
<td>A long pointer to a WORD. The value is 1 if the ATM software is the calling application.</td>
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<tr>
<td>lpOutData</td>
<td>A long pointer to a WORD whose value is 1 if the device wants to completely suppress the ATM software. The value 0 should be returned for default action. Other return values may be added in the future.</td>
</tr>
</tbody>
</table>

The ATM software supports any–angle character rotation and continuous scaling. These capabilities will be reflected in the device capability flags before the ATINFO escape is issued. Therefore, any device that suppresses the ATM software functionality must be prepared to perform any–angle rotation and continuous scaling.

**Note** *The ATINFO escape is newly defined by Adobe. It is not documented in the Microsoft SDK or DDK nor is it defined in any Microsoft .h files.*