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MODEL: PRINTING CONTROLLER

No.: GP-GEN-023
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Date: 09.04.99

LOCATION: SYSTEM ASSEMBLY

SUBJECT: EURO PRINTING

OUTLINE

This document describes the print results of Canon's current products regarding Euro currency symbol under Windows environment.

DETAILS

GP	PDL	Level*	Update Plan*
Multi PDL Board-A1/B1, Printer Board-P2/P3 (Peerless PS/PCL)	PCL	2	no further update plan
	PS	2	
Network Multi PDL Board-D1, Network Printer Board-E1 (Eiger)	PCL	2	considering V2.0
	PS	2 (and 3)	
Network Printer Board-F1 (Whitney)	PS	2 (and 3)	considering V2.0
Network Multiple PDL Printer Board-H1, Network Printer board-K1 (Erebus)	PCL	1 (?)	investigating
	PS	1 (?), 2 and 3	

Level*

Level one is the best and should be final target. However, level Two (or level Three) is accepted as current product.

PCL Environment

- Level One: Resident fonts should have Euro symbol, and it can be print through the printer driver with default setting.
- Level Two: Euro symbol can be printed through the driver with different setting from the default.

PS Environment

- Level One: Resident fonts should have Euro symbol on the printer, and it can be print through the printer driver with default setting.
- Level Two: Euro symbol can be printed through the driver with different setting from the default.
- Level Three: Adobe Euro font is printed with ATM environment.

Update Plan*

NO UPDATE PLAN, in case that there is an update plan, but it has no relation to euro symbol printing.

1. Purpose of the document

To make sure printing ability of each product, and to share the information on euro printing.

2. Background

2.1 Introduction of euro symbol

Euro currency is effective in European Union since January 1999, and character symbol is also introduced. Computer software, hardware and fonts vendors including Microsoft are providing a way to adapt to the new environment.

2.2 Customer's requirement

Introducing above currency and its symbol, there are more and more chance to use the symbol, and the customer's expectation of print ability is getting stronger.

2.3 Product design

The original design of Canon's current product was not considered regarding the euro symbol unfortunately, so Canon needs some action if necessary.

3. Test Method

3.1 Preperation

Office97 (Word97, Excel97, PowerPoint97) is used for this test.

3.2 Create documents

Create documents with text of Times New Roman, Arial, and Courier New, which are provided as Euro patch font file from Microsoft.

3.3 Print documents

Print documents with default setting of the printer driver at first.
When we can not get correct print result, then try to change printer driver setting till getting the correct print result.
Above three fonts and four styles (regular, bold, italic and bold italic) are all verified. But the report shows only fonts name and not styles, because there is no difference of print result among four styles.

4. Print Result

OK means getting correct print result with printer driver of default setting.

4.1 GP/FAX Controller

4.1.1 Multi PDL Board-A1/B1, Printer Board-P2/P3 4.01 (Peerless PS/PCL)
Printer Driver: V3.0 for Win95/98
V3.0a for Win NT4.0

PCL5e	Windows95			Windows98			Windows NT		
	Word	Excel	PP	Word	Excel	PP	Word	Excel	PP
Times New Roman	F	F	F	F	F	F	F	F	F
Arial	F	F	F	F	F	F	F	F	F
Courier New	F	F	F	F	F	F	F	F	F

F- [Graphic] tab → "TrueType Mode=Download as BitImage", then remove check mark from "Use Printer TrueType".

Printer Driver: V1.0 for Win95/98 (Adobe PS4.1.1+CIS customize)
PDD for Win NT4.0 (MS Pscript4.0)

PS	Windows95			Windows98			Windows NT		
	Word	Excel	PP	Word	Excel	PP	Word	Excel	PP
Times New Roman	A	A	A	A	A	A	OK	OK	OK
Arial	A	A	A	A	A	A	OK	OK	OK
Courier New	A	A	A	A	A	A	OK	OK	OK

A- [Fonts] tab → specify check mark to “Always use TrueType fonts”

4.1.2 Network Multi PDL Printer Board-D1/Network Printer Board-E1 V1.21 (Eiger)
Printer Driver: V1.21 for Win95/98
V1.21 for Win NT4.0

PCL5e	Windows95			Windows98			Windows NT		
	Word	Excel	PP	Word	Excel	PP	Word	Excel	PP
Times New Roman	D	D	D	D	D	D	D	D	D
Arial	D	D	D	D	D	D	D	D	D
Courier New	D	D	D	D	D	D	D	D	D

D- [Fonts] tab → specify check mark to “Always use host font”

Printer Driver: V1.21 for Win95/98 (Adobe PS4.2.3+ customize)
V1.21 for Win NT4.0 (MS Pscript4.0)

PS	Windows95			Windows98			Windows NT		
	Word	Excel	PP	Word	Excel	PP	Word	Excel	PP
Times New Roman	A	X	X	A	A	A	OK	OK	OK
Arial	A	X	X	A	A	A	OK	OK	OK
Courier New	A	A	A	A	A	A	OK	OK	OK

A- [Fonts] tab → specify check mark to “Always use TrueType fonts”
X- Download New Euro Symbol Font from Adobe HomePage site and utilize ATM

4.1.3 Network Printer Board-F1 V1.01 (Whitney)
Printer Driver: V1.01 for Win95/98 (Adobe PS4.2.4+customize)
V1.01 for Win NT4.0 (MS Pscript 4.0)

PS	Windows95			Windows98			Windows NT		
	Word	Excel	PP	Word	Excel	PP	Word	Excel	PP
Times New Roman	A	X	X	A	A	A	OK	OK	OK
Arial	A	X	X	A	A	A	OK	OK	OK
Courier New	A	A	A	A	A	A	OK	OK	OK

A- [Fonts] tab → specify check mark to “Always use TrueType fonts”
X- Download New Euro Symbol Font from Adobe HomePage site and utilize ATM

4.1.4 Network Multi PDL Printer Board-H1/Network Printer Board-K1 V1.0 (Erebus)
Printer Driver: V4.00 for Win95/98
V4.00 for Win NT4.0

PCL5e	Windows95			Windows98			Windows NT		
	Word	Excel	PP	Word	Excel	PP	Word	Excel	PP
Times New Roman	OK	OK	OK	OK	OK	OK	OK	OK	OK
Arial	OK	OK	OK	OK	OK	OK	OK	OK	OK
Courier New	OK	OK	OK	OK	OK	OK	OK	OK	OK

Printer Driver: V1.0 for Win95/98 (Adobe PS4.2.4+customize)
V1.0 for Win NT4.0 (MS Pscript 4.0)

PS	Windows95			Windows98			Windows NT		
	Word	Excel	PP	Word	Excel	PP	Word	Excel	PP
Times New Roman	A	X	X	A	A	A	OK	OK	OK
Arial	A	X	X	A	A	A	OK	OK	OK
Courier New	A	A	A	A	A	A	OK	OK	OK

A- [Fonts] tab → specify check mark to “Always use TrueType fonts”
X- Download New Euro Symbol Font from Adobe HomePage site and utilize ATM

5. Others

5.1 ATM
We did the print test WITHOUT ATM basically. However, when there was no alternative to print out correctly, we did the test WITH ATM as the last resort.

5.2 Macintosh
On MacOS 8.5.1 or later, some system fonts include Euro symbol. However, print result depends on applications. The report does not include Mac environment print result.
In some cases, the user can print euro symbol with specifying Substitute Fonts OFF in PostScript Options in Page Setup dialog box.

If you cannot print Euro in any case, including older MacOS, use Euro fonts from Adobe Home Page. You can print it with ATM.