

# AuxPrint Registry Settings

## 1. Introduction

This document describes the various Global registry settings under the following registry key:

HKEY\_LOCAL\_MACHINE\Software\Global\Client\Printers\AuxPrint

Although some of these settings are documented elsewhere in the Global Operating Manual (Windows) V8.1 Manual, various global $nn$ .doc Release Notes and IN $nnn$ .doc Technical Notes, this note only refers to 3 other documents:

GOMW81	Global Operating Manual (Windows) V8.1 (man81gsmwindows.doc)
IN181	Removing Config. File Technical Note (in181-removingconfigfile.doc)
CFM81	Global Configurator Manual V8.1 (man81configurator.doc)

Unless otherwise stated, a change to a registry setting only becomes effective when the Global Client (GLOBAL.EXE) is reloaded.

### 1.1 Registry Hierarchy

Some of the settings described in this document appear under several keys in the Global section of the registry. For example:

HKEY\_LOCAL\_MACHINE\Software\Global\Client\Printers\+PageDepth  
 HKEY\_LOCAL\_MACHINE\Software\Global\Client\Printers\AuxPrint\+PageDepth  
 HKEY\_LOCAL\_MACHINE\Software\Global\Client\Printers\AuxPrint\500\+PageDepth

The **printer-number** specific setting immediately under the "Printers\AuxPrint\5 $nn$ " key (where 5 $nn$  = 500 to 599) overrides the **printer-class** specific setting immediately under the "Printers\AuxPrint" key, which in turn, overrides the **generic-printer** setting under the "Printers" key. For example, if:

```
..\Software\Global\Client\Printers\+PageDepth=60
..\Software\Global\Client\Printers\AuxPrint\+PageDepth=66
..\Software\Global\Client\Printers\AuxPrint\500\+PageDepth=70
```

a value of 70 will be used for printer unit 500; a value of 66 will be used for all AuxPrint printers that do not have an equivalent "Printers\AuxPrint\5 $nn$ " registry setting (a value of 60 will be used for all other classes of printers (e.g. WinPrint) that do not have "Printers\xxxxxxx\+PageDepth" or "Printers\xxxxxxx\5 $nn$ \+PageDepth" setting).

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## 2. Registry Settings under AuxPrint

Auxiliary (i.e. back-of-screen) printing is supported in GSM (Windows) via the AuxPrint printer controller.

### 2.1 +DeviceCharacteristics

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the DEVICE CHARACTERISTICS option in the configuration file as documented in CFM81.

The printer-class specific +DeviceCharacteristics setting (if present) immediately under the "Printers\AuxPrint" key overrides the generic-printer +DeviceCharacteristics setting (if present) immediately under the "Printers" key; and is itself overridden by any printer-number specific +DeviceCharacteristics settings under the relevant "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599).

The default value is 0.

## 2.2 +HardwareFormFeed

This string setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the HARDWARE FORMFEED option in the configuration file as documented in CFM81.

The +PageDepth option (see section [2.4](#)) is only recognised if the +HardwareFormFeed option is disabled. If the +HardwareFormFeed option is enabled the +PageDepth setting is ignored.

The printer-class specific +HardwareFormFeed setting (if present) immediately under the "Printers\AuxPrint" key overrides the generic-printer +HardwareFormFeed setting (if present) immediately under the "Printers" key; and is itself overridden by any printer-number specific +HardwareFormFeed settings under the relevant "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599).

The default setting is "On". Valid strings that enable the option are "On", "True", "Yes" and "1". Valid strings that disable the option are "Off", "False", "No" and "0". All invalid strings default to "On".

## 2.3 +MaximumPageWidth

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the MAXIMUM PAGE WIDTH option in the configuration file as documented in CFM81.

The printer-class specific +MaximumPageWidth setting (if present) immediately under the "Printers\AuxPrint" key overrides the generic-printer +MaximumPageWidth setting (if present) immediately under the "Printers" key; and is itself overridden by any printer-number specific +MaximumPageWidth settings under the relevant "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599).

The default value is 250 (note that the default value for the MAXIMUM PAGE WIDTH configuration file option is 132).

## 2.4 +PageDepth

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the PAGE DEPTH option in the configuration file as documented in CFM81.

The +PageDepth option is only recognised if the +HardwareFormFeed option (see section [2.2](#)) is disabled. If the +HardwareFormFeed option is enabled the +PageDepth setting is ignored.

The printer-class specific +PageDepth setting (if present) immediately under the "Printers\AuxPrint" key overrides the generic-printer +PageDepth setting (if present)

immediately under the "Printers" key; and is itself overridden by any printer-number specific +PageDepth settings under the relevant "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599).

The default value is 0.

## 2.5 +PrinterDescription

This string setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the DESCRIPTION option in the configuration file as documented in CFM81.

The printer-class specific +PrinterDescription setting (if present) immediately under the "Printers\AuxPrint" key is overridden by any printer-number specific +PrinterDescription settings under the relevant "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599). Note there is no generic-printer +PrinterDescription setting under the "Printers" key.

The default setting is "Auxiliary Printer".

## 2.6 +PrinterExecFlagByte

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the PRINTER EXECUTIVE FLAG BYTE option in the configuration file as documented in CFM81.

The printer-class specific +PrinterExecFlagByte setting (if present) immediately under the "Printers\AuxPrint" key overrides the generic-printer +PrinterExecFlagByte setting (if present) immediately under the "Printers" key; and is itself overridden by any printer-number specific +PrinterExecFlagByte settings under the relevant "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599).

The default value is 0xff (255).

## 2.7 +PrinterExecTimeout

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the TIME-OUT IN TENS OF SECONDS option in the configuration file as documented in CFM81.

The printer-class specific +PrinterExecTimeout setting (if present) immediately under the "Printers\AuxPrint" key overrides the generic-printer +PrinterExecTimeout setting (if present) immediately under the "Printers" key; and is itself overridden by any printer-number specific +PrinterExecTimeout settings under the relevant "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599).

The default value is 2. The value must be between 0 and 63, inclusive.

## 2.8 +SpoolerControlBits

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the SPOOLER CONTROL BITS option in the configuration file as documented in CFM81. Note that the value of the +SpoolerControlBits setting (i.e. 0, 1, 2 or 3) is shifted left by 6 bits (i.e. multiplied by 64) to form the equivalent SPOOLER CONTROL BITS value (i.e. #00, #40, #80 or #C0). This value is then combined (by a Logical OR operation) with the +PrinterExecTimeout value.

The printer-class specific +SpoolerControlBits setting (if present) immediately under the "Printers\AuxPrint" key overrides the generic-printer +SpoolerControlBits setting (if present) immediately under the "Printers" key; and is itself overridden by any printer-number specific +SpoolerControlBits settings under the relevant "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599).

The default value is 0. The value must be between 0 and 3, inclusive.

## 2.9 PolledMode

This string setting controls the effect printing has on the multi-user time-slicing scheduler within the Global Client kernel. Early versions of the Global Client (pre V3.0) completed the line-by-line print function within the same time-slice as the user performing the print operation. This had the effect of making printing via the AuxPrint interface a higher-priority task than normal processing. For GLOBAL.EXE V3.0, and later, the situation has been reversed so that printing becomes the lowest priority task, relegated to a Poll Routine.

If PolledMode is enabled (the default), printing via the AuxPrint interface has a lower priority than normal user operations. If PolledMode is disabled, printing via the AuxPrint interface has a higher priority than normal user operations.

Note that it is not possible to alter the "PolledMode" setting on a per-printer basis. Either **all** AuxPrint printers operate in Polled Mode; or **no** AuxPrint printers operate in polled mode.

The default setting is "On". Valid strings that enable the option are "On", "True", "Yes" and "1". Valid strings that disable the option are "Off", "False", "No" and "0". All invalid strings default to "On".

This setting should only be changed under exceptional circumstances.

## 2.10 PrintPollDivisor

This value is only recognised if the "PolledMode" option (see section [2.9](#)) is enabled. It controls the relative priority of print operations via the AuxPrint controller and normal user operations. A high value of the "PrintPollDivisor" setting **lowers** the priority of the AuxPrint interface with respect to normal user operations. A low value of the "PrintPollDivisor" setting **raises** the priority of the AuxPrint interface with respect to normal user operations. The lowest value allowed is 1.

Note that it is not possible to set the "PrintPollDivisor" value on a per-printer basis. **All** AuxPrint printers operate with the same relative priority.

The default value is 100. The value must be between 1 and 65535, inclusive.

This setting should only be changed under exceptional circumstances.

### **3. Registry Settings under AuxPrint\5nn**

The settings under each individual printer key (500 to 599) only apply to a single printer.

#### **3.1 +DeviceCharacteristics**

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the DEVICE CHARACTERISTICS option in the configuration file as documented in CFM81.

The printer-number specific +DeviceCharacteristics setting (if present) immediately under the "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599) overrides the printer-class specific +DeviceCharacteristics setting (if present) immediately under the "Printers\AuxPrint" key, which in turn, overrides the generic-printer +DeviceCharacteristics setting (if present) under the "Printers" key.

The default value is 0.

#### **3.2 +HardwareFormFeed**

This string setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the HARDWARE FORMFEED option in the configuration file as documented in CFM81.

The +PageDepth option (see section [3.4](#)) is only recognised if the +HardwareFormFeed option is disabled. If the +HardwareFormFeed option is enabled the +PageDepth setting is ignored.

The printer-number specific +HardwareFormFeed setting (if present) immediately under the "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599) overrides the printer-class specific +HardwareFormFeed setting (if present) immediately under the "Printers\AuxPrint" key, which in turn, overrides the generic-printer +HardwareFormFeed setting (if present) under the "Printers" key.

The default setting is "On". Valid strings that enable the option are "On", "True", "Yes" and "1". Valid strings that disable the option are "Off", "False", "No" and "0". All invalid strings default to "On".

#### **3.3 +MaximumPageWidth**

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the MAXIMUM PAGE WIDTH option in the configuration file as documented in CFM81.

The printer-number specific +MaximumPageWidth setting (if present) immediately under the "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599) overrides the printer-class specific +MaximumPageWidth setting (if present) immediately under the "Printers\AuxPrint" key, which in turn, overrides the generic-printer +MaximumPageWidth setting (if present) under the "Printers" key.

The default value is 250 (note that the default value for the MAXIMUM PAGE WIDTH configuration file option is 132).

### **3.4 +PageDepth**

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the PAGE DEPTH option in the configuration file as documented in CFM81.

The +PageDepth option is only recognised if the +HardwareFormFeed option (see section [3.2](#)) is disabled. If the +HardwareFormFeed option is enabled the +PageDepth setting is ignored.

The printer-number specific +PageDepth setting (if present) immediately under the "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599) overrides the printer-class specific +PageDepth setting (if present) immediately under the "Printers\AuxPrint" key, which in turn, overrides the generic-printer +PageDepth setting (if present) under the "Printers" key.

The default value is 0.

### **3.5 +PrinterDescription**

This string setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the DESCRIPTION option in the configuration file as documented in CFM81.

The printer-number specific +PrinterDescription setting (if present) immediately under the "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599) overrides the printer-class specific +PrinterDescription setting (if present) immediately under the "Printers\AuxPrint" key. Note there is no generic-printer +PrinterDescription setting directly under the "Printers" key.

The default setting is "Auxiliary Printer".

### **3.6 +PrinterExecFlagByte**

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the PRINTER EXECUTIVE FLAG BYTE option in the configuration file as documented in CFM81.

The printer-number specific +PrinterExecFlagByte setting (if present) immediately under the "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599) overrides the printer-class specific +PrinterExecFlagByte setting (if present) immediately under the "Printers\AuxPrint" key, which in turn, overrides the generic-printer +PrinterExecFlagByte setting (if present) under the "Printers" key.

The default value is 0xff (255).

### **3.7 +PrinterExecTimeout**

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the TIME-OUT IN TENS OF SECONDS option in the configuration file as documented in CFM81.

The printer-number specific +PrinterExecTimeout setting (if present) immediately under the "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599) overrides the printer-class specific +PrinterExecTimeout setting (if present) immediately under the "Printers\AuxPrint" key, which in turn, overrides the generic-printer +PrinterExecTimeout setting (if present) under the "Printers" key.

The default value is 2. The value must be between 0 and 63, inclusive.

### **3.8 +SpoolerControlBits**

This value setting is fully described in IN181. When the option to replace the Global Configuration File by registry settings is enabled (UseConfigurationFile=Off) this value is equivalent to the SPOOLER CONTROL BITS option in the configuration file as documented in CFM81. Note that the value of the +SpoolerControlBits setting (i.e. 0, 1, 2 or 3) is shifted left by 6 bits (i.e. multiplied by 64) to form the equivalent SPOOLER CONTROL BITS value (i.e. #00, #40, #80 or #C0). This value is then combined (by a Logical OR operation) with the +PrinterExecTimeout value.

The printer-number specific +SpoolerControlBits setting (if present) immediately under the "Printers\AuxPrint\5nn" key (where 5nn = 500 to 599) overrides the printer-class specific +SpoolerControlBits setting (if present) immediately under the "Printers\AuxPrint" key, which in turn, overrides the generic-printer +SpoolerControlBits setting (if present) under the "Printers" key.

The default value is 0. The value must be between 0 and 3, inclusive.

### **3.9 ConsoleNumber**

This value setting specifies the Console Number of the screen to which the Aux. Printer is attached. The console controller must be either "Serial" or "Network".

A value of 0 indicates a "floating" Auxiliary Printer, in which case all the other options are ignored (the options actually used are taken from the registry settings of the "real"



Auxiliary Printer that the "floating" Aux. Printer is mapped to). A "floating" printer unit is aliased to the printer number of the physical Auxiliary printer attached to the user's screen (if such a printer exists). For example, in the following configuration:

..\Screens\GUI\	(notional Console Number 1)
..\Screens\Network\01	(notional Console Number 2)
..\Screens\Network\02	(notional Console Number 3)
..\Printers\AuxPrint\500\ConsoleNumber=2	
..\Printers\AuxPrint\501\ConsoleNumber=3	
..\Printers\AuxPrint\599\ConsoleNumber=0	

The user on the integral screen (GUI) will be able to access printers 500 & 501 only. The user on Network channel 01 (Console Number 2) will be able to access printers 500, 501 and 599 (aliased to 500). The user on Network channel 02 (Console Number 3) will be able to access printers 500, 501 and 599 (aliased to 501).

**Important Note-1:** Since the AuxPrint controller is invariably used in conjunction with a Network screen controller, use of the NetworkNumber setting (see section [3.14](#)) rather than the ConsoleNumber setting is recommended.

**Important Note-2:** Use of the explicit FloatingAuxPrinter setting (see section [3.13](#)) may be more convenient than using the technique of setting the ConsoleNumber to 0 to indicate a "floating" Auxiliary printer.

The default value is 0. The value must be between 0 and 99, inclusive.

### 3.10 ScreenType

This value setting specifies the type of screen, or terminal emulator, that will be performing the actual printing.

The default value is 1. The value must be one of:

ScreenType value	Description
0	Invalid
1	PC Workstation
2	TCL Nyce and Wyse-60
3	TVI range
4	Reserved for diagnostics (reverse video)
5	Global Windows Workstation AuxiliaryPrinter GSMWIN32.INI file setting
6	Reserved for diagnostics (transparent)
7	Reserved for future use
8	Reserved for future use
9	Reserved for future use
10	Global Windows Workstation AuxiliaryPrinter0 GSMWIN32.INI file setting

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11	Global Windows Workstation AuxiliaryPrinter1 GSMWIN32.INI file setting
12	Global Windows Workstation AuxiliaryPrinter2 GSMWIN32.INI file setting
13	Global Windows Workstation AuxiliaryPrinter3 GSMWIN32.INI file setting
14	Global Windows Workstation AuxiliaryPrinter4 GSMWIN32.INI file setting
15	Global Windows Workstation AuxiliaryPrinter5 GSMWIN32.INI file setting
16	Global Windows Workstation AuxiliaryPrinter6 GSMWIN32.INI file setting
17	Global Windows Workstation AuxiliaryPrinter7 GSMWIN32.INI file setting
18	Global Windows Workstation AuxiliaryPrinter8 GSMWIN32.INI file setting
19	Global Windows Workstation AuxiliaryPrinter9 GSMWIN32.INI file setting
20	GSMCONS.EXE terminal emulator AuxiliaryPrinter0 GSMWIN32.INI file setting
21	GSMCONS.EXE terminal emulator AuxiliaryPrinter1 GSMWIN32.INI file setting
22	GSMCONS.EXE terminal emulator AuxiliaryPrinter2 GSMWIN32.INI file setting
23	GSMCONS.EXE terminal emulator AuxiliaryPrinter3 GSMWIN32.INI file setting
24	GSMCONS.EXE terminal emulator AuxiliaryPrinter4 GSMWIN32.INI file setting
25	GSMCONS.EXE terminal emulator AuxiliaryPrinter5 GSMWIN32.INI file setting
26	GSMCONS.EXE terminal emulator AuxiliaryPrinter6 GSMWIN32.INI file setting
27	GSMCONS.EXE terminal emulator AuxiliaryPrinter7 GSMWIN32.INI file setting
28	GSMCONS.EXE terminal emulator AuxiliaryPrinter8 GSMWIN32.INI file setting
29	GSMCONS.EXE terminal emulator AuxiliaryPrinter9 GSMWIN32.INI file setting
30	GSMCONS.EXE terminal emulator AuxiliaryPrinter GSMWIN32.INI file setting
105	Global Windows Workstation AuxiliaryPrinter GSMWIN32.INI file setting with close printer option
110	Global Windows Workstation AuxiliaryPrinter0 GSMWIN32.INI file setting with close printer option

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111	Global Windows Workstation AuxiliaryPrinter1 GSMWIN32.INI file setting with close printer option
112	Global Windows Workstation AuxiliaryPrinter2 GSMWIN32.INI file setting with close printer option
113	Global Windows Workstation AuxiliaryPrinter3 GSMWIN32.INI file setting with close printer option
114	Global Windows Workstation AuxiliaryPrinter4 GSMWIN32.INI file setting with close printer option
115	Global Windows Workstation AuxiliaryPrinter5 GSMWIN32.INI file setting with close printer option
116	Global Windows Workstation AuxiliaryPrinter6 GSMWIN32.INI file setting with close printer option
117	Global Windows Workstation AuxiliaryPrinter7 GSMWIN32.INI file setting with close printer option
118	Global Windows Workstation AuxiliaryPrinter8 GSMWIN32.INI file setting with close printer option
119	Global Windows Workstation AuxiliaryPrinter9 GSMWIN32.INI file setting with close printer option
120	GSMCONS.EXE terminal emulator AuxiliaryPrinter0 GSMWIN32.INI file setting with close printer option
121	GSMCONS.EXE terminal emulator AuxiliaryPrinter1 GSMWIN32.INI file setting with close printer option
122	GSMCONS.EXE terminal emulator AuxiliaryPrinter2 GSMWIN32.INI file setting with close printer option
123	GSMCONS.EXE terminal emulator AuxiliaryPrinter3 GSMWIN32.INI file setting with close printer option
124	GSMCONS.EXE terminal emulator AuxiliaryPrinter4 GSMWIN32.INI file setting with close printer option
125	GSMCONS.EXE terminal emulator AuxiliaryPrinter5 GSMWIN32.INI file setting with close printer option

126	GSMCONS.EXE terminal emulator AuxiliaryPrinter6 GSMWIN32.INI file setting with close printer option
127	GSMCONS.EXE terminal emulator AuxiliaryPrinter7 GSMWIN32.INI file setting with close printer option
128	GSMCONS.EXE terminal emulator AuxiliaryPrinter8 GSMWIN32.INI file setting with close printer option
129	GSMCONS.EXE terminal emulator AuxiliaryPrinter9 GSMWIN32.INI file setting with close printer option
130	GSMCONS.EXE terminal emulator AuxiliaryPrinter GSMWIN32.INI file setting with close printer option

### 3.11 PrintingMode

This value setting specifies the printing mode. Possible values are:

PrintingMode value	Description
0	Invalid
1	Printing has higher priority than displays
2	Printing has lower priority than displays

The default value is 2.

**Important Note:** Unlike the GSM (BOS) or GSM (MS-DOS) Auxiliary Printer controller the GSM (Windows) version does not support an "ImmediateError" option

### 3.12 AuxPrintPriority

This value setting allows up to 8 Auxiliary printers to be configured on a single ConsoleNumber. This is achieved by configuring all but the first AuxPrint controller for a given console controller with an "AuxPrintPriority" setting:

The AuxPrintPriority setting must be in the range 1 to 7 (i.e. a priority of 0 is assumed for the first printer on a given ConsoleNumber).

Both the AuxPrintPriority and the ScreenType (see section [3.10](#)) options must be unique for a given ConsoleNumber setting.

**Important note:** The terminal emulator MUST support multiple Auxiliary printers. At the time of writing, only the V3.0 GSMCONS.EXE supports multiple Auxiliary printers (see below).

Furthermore, up to 8 "floating" Auxiliary printers can be configured per screen. Each "floating" printer is set to the "real" Auxiliary printer with the same AuxPrintPriority setting;

An example should make this clear:

Unit	ConsoleNumber	AuxPrintPriority	ScreenType
500	2	0	10
501	2	1	11
502	2	2	12
503	2	3	13
504	3	0	10
505	3	1	11
506	3	2	12
507	3	3	13
590	0		0
591	0		1
592	0		2
593	0		3

The "floating" printer 590 is mapped to printer unit 500 on the screen with a ConsoleNumber of 2. The "floating" printer 590 is mapped to printer unit 504 on the screen with a ConsoleNumber of 3.

The "floating" printer 591 is mapped to printer unit 501 on the screen with a ConsoleNumber of 2. The "floating" printer 591 is mapped to printer unit 505 on the screen with a ConsoleNumber of 3.

The "floating" printer 592 is mapped to printer unit 502 on the screen with a ConsoleNumber of 2. The "floating" printer 592 is mapped to printer unit 506 on the screen with a ConsoleNumber of 3.

The "floating" printer 593 is mapped to printer unit 503 on the screen with a ConsoleNumber of 2. The "floating" printer 593 is mapped to printer unit 507 on the screen with a ConsoleNumber of 3;

The default value is 0.

### 3.13 FloatingAuxPrinter

This string setting can be set to "On" to explicitly specify a Floating Auxiliary printer, as an alternative to setting the ConsoleNumber setting (see section [3.9](#)) to 0. The FloatingAuxPrinter setting encourages more meaningful registry settings.

If either a FloatingAuxPrinter setting or a NetworkNumber setting (see section [3.14](#)) are specified the ConsoleNumber setting (see section [3.9](#)) is ignored. If both a NetworkNumber setting and a FloatingAuxPrinter setting are specified the results are unpredictable;

The default setting is "Off". Valid strings that enable the option are "On", "True", "Yes" and "1". Valid strings that disable the option are "Off", "False", "No" and "0". All invalid strings default to "Off".

### 3.14 NetworkNumber

This value setting can be used instead of the ConsoleNumber setting (see section [3.9](#)) to specify the Network Index Number of associated console. The NetworkNumber, which is simply the *NN* value of the following registry key:

```
..\Global\Client\Screens\Network\NN
```

is normally more meaningful and easier to predict than the more abstract "ConsoleNumber".

If the NetworkNumber and FloatingAuxPrinter options are used, the example registry described in section 3.9 becomes:

```
..\Screens\GUI\
..\Screens\Network\01
..\Screens\Network\02
..\Printers\AuxPrint\500\NetworkNumber=1
..\Printers\AuxPrint\501\NetworkNumber=2
..\Printers\AuxPrint\599\FloatingAuxPrinter=On
```

The default value is 1.

### 3.15 EnableISOTranslation

The AuxPrint interface allows ISO character translations to be specified in the registry. This option can avoid the requirement to establish Printer Control Files if only simple character translation is required. To enable the low-level ISO character Printer Translation the EnableISOTranslation string setting must be enabled.

When the EnableISOTranslation option is enabled the AuxPrint interface will apply the translations defined in:

```
..\Global\Client\Screens\GUI\IsoTranslations\ISOchar128=#hh
to:
..\Global\Client\Screens\GUI\IsoTranslations\ISOchar255=#hh
```

See section [4.1](#) for further details.

The default setting is "Off". Valid strings that enable the option are "On", "True", "Yes" and "1". Valid strings that disable the option are "Off", "False", "No" and "0". All invalid strings default to "Off".

### 3.16 EnableAlignmentPatternSuppression

This setting may be used to enable the suppression of printer Alignment Patterns from reports printed via the AuxPrint controller. The printer-number specific "EnableAlignmentPatternSuppression" option enables the Alignment Pattern suppression logic for a particular printer. This option is used in conjunction with two generic-printer options (see below).

Although the **end** of a printer Alignment Pattern can be easily detected (by recognising a specific Printer Control Byte), the **start** of a printer Alignment Pattern is not so easy to detect. The start of a printer Alignment Pattern can only be detected by recognising the combination of a new Page Depth and Stationery Mount Message text. The following generic-printer settings:

```
..\Global\Client\Printers\SuppressAlignmentPatternDepth/N
..\Global\Client\Printers\SuppressAlignmentPatternDepth/NN
..\Global\Client\Printers\SuppressAlignmentPatternText/N
..\Global\Client\Printers\SuppressAlignmentPatternText/NN
```

(where  $N = 1$  to  $9$ ; and  $NN = 10$  to  $99$ ) allow up to 99 Page Depth/Stationery Mount Message combinations to be specified. For example, the Alignment Pattern in the Global 2000 Purchase Order report is immediately preceded by a Mount Message of "Purchase order forms" and a Page Depth of 48 lines. To suppress the Alignment Pattern in this report for printer unit 520 set the following registry settings:

```
..\Global\Client\Printers\AuxPrint\520\EnableAlignmentPatternSuppression=On
..\Global\Client\Printers\SuppressAlignmentPatternDepth1=48
..\Global\Client\Printers\SuppressAlignmentPatternText1="Purchase order forms"
```

If it also necessary to suppress an Alignment Pattern that is immediately preceded by a Mount Message of "Example mount message" and a Page Depth of 50 lines (for example) another pair of settings must be used:

```
..\Global\Client\Printers\SuppressAlignmentPatternDepth2=50
..\Global\Client\Printers\SuppressAlignmentPatternText2="Example          mount
message"
```

The default setting is "Off". Valid strings that enable the option are "On", "True", "Yes" and "1". Valid strings that disable the option are "Off", "False", "No" and "0". All invalid strings default to "Off".

**Important Note 1:** This setting is only required for reports where more conventional techniques (e.g. \$CUS) cannot be used to suppress the Alignment Patterns because the associated Mount Messages do not conform to the "modern standards" (see the Global Development File Management Manual).

**Important Note 2:** The string comparison on the Mount Message text is case sensitive.

**Important Note 3:** This setting is only supported by GLOBAL.EXE V3.8, or later.

### 3.17 IgnoreThisPrinter

This string setting can be set to "On" etc. to temporarily remove a specific AuxPrint printer from the Global configuration. This option is useful because it removes the printer without deleting the AuxPrint\5nn key from the registry, and thus removing all the other **printer-number** specific settings, which can remain in the registry. The AuxPrint printer can be easily re-instated by either setting IgnoreThisPrinter=Off, or by deleting the IgnoreThisPrinter setting entirely.

The default setting is "Off". Valid strings that enable the option are "On", "True", "Yes" and "1". Valid strings that disable the option are "Off", "False", "No" and "0". All invalid strings default to "Off".

**Important Note:** This setting is only supported by GLOBAL.EXE V3.8e, or later.

## 4. Registry Settings under AuxPrint\5nn\IsoTranslations

### 4.1 ISOChar[128-255]

As explained in section [3.15](#) the AuxPrint interface allows ISO character translations to be specified in the registry. This option can avoid the requirement to establish Printer Control Files if only simple character translation is required.

If the EnableISOTranslation option (see section [3.15](#)) is enabled the AuxPrint interface applies the translations defined in:

..\Global\Client\Screens\GUI\IsoTranslations\ISOchar128=#hh  
to:

..\Global\Client\Screens\GUI\IsoTranslations\ISOchar255=#hh

For example, if the following generic ISO character translation options have been enabled:

..\Global\Client\Screens\GUI\IsoTranslations\ISOchar160=#81  
..\Global\Client\Screens\GUI\IsoTranslations\ISOchar161=#82  
..\Global\Client\Screens\GUI\IsoTranslations\ISOchar162=#83

and the following printer specific ISO translations have been enabled:

..\Global\Client\Printers\AuxPrint\500\IsoTranslations\ISOchar161=#C1  
..\Global\Client\Printers\AuxPrint\501\IsoTranslations\ISOchar161=#C2

then the #A0 character (160 decimal) will be translated to #81 for all printers; the #A1 character (161 decimal) will be translated to #C1 for printer 500, to #C2 for printer 501 and to #82 for all other printers; the #A2 character (162 decimal) will be translated to #83 for all printers.



Note that a diagnostics option (PrinterTranslationDiagnostics) can be enabled to generate a dump file, .\log\PrinterTranslationDump.log, containing all the internal printer translation tables (see Technical Note [IN401.DOC](#) for further details).