

# PCGENESIS PAYROLL SYSTEM OPERATIONS GUIDE

4/4/2017

Section J: System Utilities

[Topic 1: Magnetic Character Ink Recognition (MICR) Setup, V2.8]

# Revision History

Date	Version	Description	Author
4/4/2017	2.8	17.01.00 – Updated <i>Teleform</i> option for MICR Setup.	D. Ochala
03/02/2016	2.7	16.01.00 – Updated Logo and Footers.	S. Scrivens
03/27/2013	2.6	13.01.00 – Updated examples of the detailed payroll check statements.	D. Ochala
03/31/2011	2.5	11.01.00 – Added <i>Text Only</i> option to MICR Setup. Add <i>Custom</i> option for signature card selection.	D. Ochala
01/21/2011	2.4	10.04.00 – Added <i>Teleform</i> option to MICR Setup.	D. Ochala
03/29/2010	2.3	10.01.00 – Added <i>new payroll check</i> information and instructions for the new Vendor Self-Seal option, and included updated screenshot examples throughout.	D. Ochala
12/09/2009	2.2	09.04.00 – Updated A2.3. sample payroll check example, both self-seal and non-self-seal.	D. Ochala
09/29/2009	2.1	09.03.00 – Added <i>new payroll check</i> information and instructions, and included updated screenshot examples throughout. Added <i>A2.3</i> . sample payroll check example.	D. Ochala
09/26/2008	2.0	08.03.00 – Added <i>TROY Printing Solutions</i> information and instructions, and included updated screenshot examples throughout. Added <i>A1.1</i> . and <i>A1.2</i> . sample payroll check examples.	C. W. Jones

# Table of Contents

OVERVIEW	
Magnetic Ink Character Recognition (MICR) Processing Preliminary Guidelines	2
PROCEDURE A: ENABLING MICR PROCESSING	
A1. CONFIGURING THE SIGNATURE CARD'S PRINTER FOR MICR PROCESSING	4
A2. ENABLING THE MICR CONFIGURATION	6
A2.1. Sample Payroll Check – Incorrect MICR Line – Example	
A2.2. Sample Payroll Check – Correct MICR Line – Example	
A2.3. Sample New 8.5 x 14 Payroll Check – Self-Seal Example	
A2.4. Sample New 8.5 x 11 Payroll Check – Non-Self-Seal Example	
PROCEDURE B: DISABLING MICR PROCESSING	18
PROCEDURE C: DELETING THE MICR CONFIGURATION FOR A SPECIFIC BANK	22
APPENDIX A: MICR SETUP FIELD DESCRIPTION TABLE	27

## **Overview**

The MICR procedure allows payroll and vendor checks to be printed on blank check stock using a laser printer. This printer must have already been set up with a *Signature Card* and magnetic toner, and the MICR feature must be enabled by using the instructions provided here.

PCGenesis signature card vendor selections include *Source Technologies, ACOM, Xerox, microMICR*, *TROY MICR*, and *Teleform Printing Solutions*. The ability to enable and disable MICR, to set up, and to disable and delete a specific bank's MICR is also provided in this procedure.

Note that the check printing *Signature Card* is in no way affected when *Disable MICR* is selected. It is important that the steps outlined for the *Disable* procedure be followed in the order presented.

A listing of PCGenesis system requirements that must be met <u>before</u> implementing MICR, screenshot examples, a *Field Description Table*, and sample checks containing incorrect and correct *MICR Lines* are included in this document. The screenshots provided are sample entries only. The actual entries depend on the needs of the school district, the system and the financial institution. PCGenesis users should verify the financial institution's information with local bank officials <u>before</u> it is entered in PCGenesis.

The MICR setup now provides an option for **Text Only Output** support. The 'Text Only Output' option is available for both payroll checks and vendor checks in order to support third party check printing. Using this option will allow PCGenesis to output payroll checks, direct deposit advices and vendor checks as text-only files so that these files may be captured by a third party for processing. The text-only output will contain only ASCII characters and will NOT contain any printer PCL code, MICR sequences, or signature fonts.

Allowing third parties to access PCGenesis check output can open up multiple options to school districts. For example, third parties may now be able to offer employee web browser self service options that were not previously available to PCGenesis systems. By providing web access to current and historical employee payroll documents, the district may no longer feel the need to mail paper copies of direct deposit advices to employees, thus saving printing and mailing expenses.

# Magnetic Ink Character Recognition (MICR) Processing Preliminary Guidelines

PCGenesis users should ensure the following requirements are met before implementing MICR:

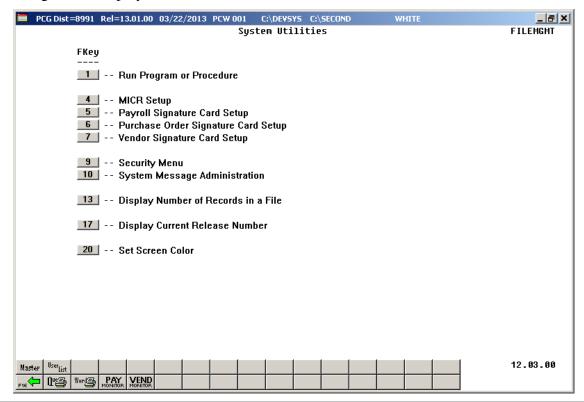
Feature	Explanation
Laser Printer	Verify the printer has MICR processing capabilities. Most HP Laser printers with the PCL5 capability will work fine. The HP4000 & HP8000 Series printers have been tested. Note however that when the <i>Duplex</i> option is enabled on the HP4100 DTN printer, problems may result. The <i>Duplex</i> options must be disabled.
MICR Ink Cartridge	To allow checks to be processed through the local banking system, a MICR ink cartridge is required for the laser printer. Magnetic toner for the checks' MICR lines is also required.
Check Stock Options:	PrePrinted-PreNumbered: Currently being used by systems for non-MICR processing. Do not use PrePrinted-PreNumbered check stock for MICR processing.
	<u>PrePrinted-No Numbers:</u> Similar to the checks currently in use, these checks neither contain a MICR line at the bottom of the checks, nor preprinted check numbers.
	Blank Check Stock: No information is preprinted.
	New Detailed Stub Blank Stock: Available for <u>payroll</u> checks/direct deposits only, these checks print a more detailed check stub which includes a breakdown of the employees' current earning amounts.
	Not Fold & Seal: Any of the above options without the Fold & Seal capability.
	Fold & Seal: Any of the above options with the Fold & Seal capability.  For the PrePrinted-No Numbers and Blank Check Stock options, a backup supply must be on hand in case of equipment failure. Having this backup supply will allow a complete payroll and/or a vendor check run to successfully complete. PrePrinted stock must always be reserved for this purpose.
Signature Cards with MICR Capabilities	Source Technologies®, Teleform, Xerox®, ACOM Solutions®, and Blauser Technologies' microMICR System™, and TROY MICR Printing should have MICR capabilities.
Create MICR-Enabled Samples	MICR-enabled samples must be forwarded to the local bank or financial institution for testing. Verify the bank or financial institution's transit and account numbers are correct. Verify the MICR line is properly positioned and printed for high speed processing equipment.

Feature	Explanation
Careful Control of Check	Because it will be much easier to enter an incorrect check number when
Numbers for Unnumbered Checks	unnumbered checks are used, please exercise extreme caution. Also, since numbers are not on the checks, the last check number used for each bank
Checks	must be recorded for future reference.
Check Security	All checks should be stored in a secure location under extreme
	<b>caution</b> . For example, when checks are unnumbered, it will be
	impossible to know if a check is missing. It is strongly recommended that
	checks are stored in a safe or a lock-box.
Optional But	Use different colors for each account type including Payroll, Vendor, and
<b>Recommended</b> - Use	School Food Services (SFS) checks.
Multi Colored Blank	
Check Stock	

## Procedure A: Enabling MICR Processing

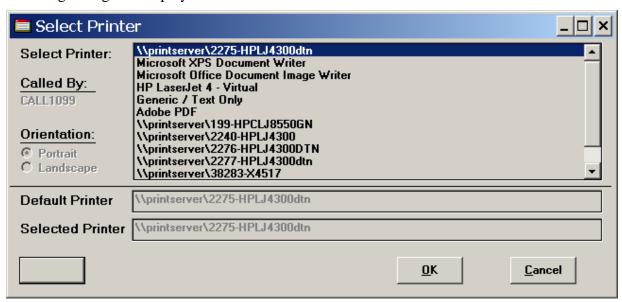
# A1. Configuring the Signature Card's Printer for MICR Processing

Step	Action
1	From the Business Applications Master Menu, select 30 (F30 - System Utilities).



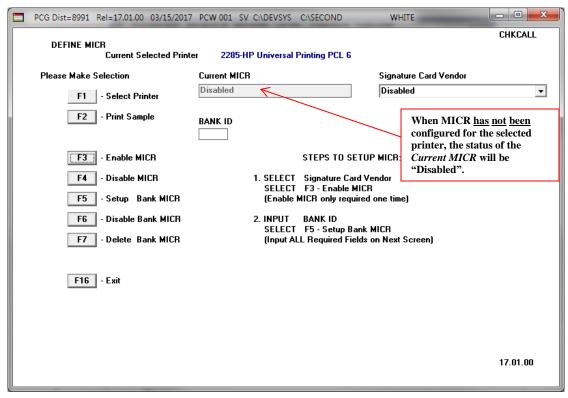
Step	Action
2	Select 4 (F4 - MICR Setup).

The following dialog box displays:

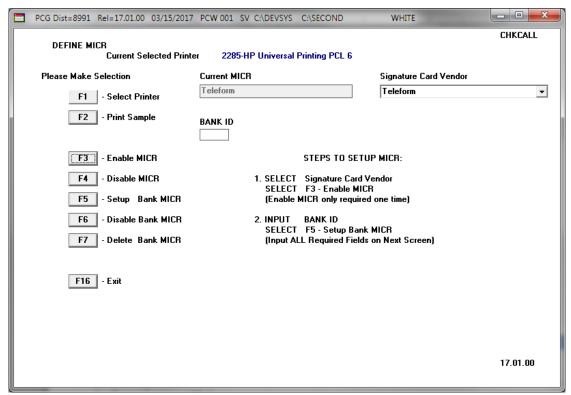


Step	Action
3	Within the <i>Select Printer</i> window, verify <u>or</u> highlight the appropriate printer's name. Verify that the correct printer displays in the <b>Selected Printer</b> text box.
	The printer selected must have already been set up with the appropriate signature card.
4	Select OK (OK).

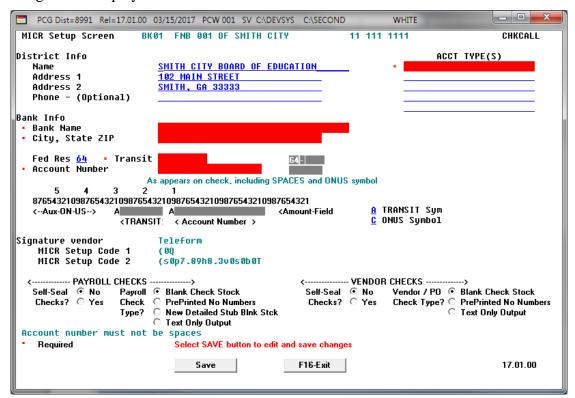
## A2. Enabling the MICR Configuration



Step	Action
5	Select the Drop-down selection icon in the <b>Signature Card Vendor</b> field to choose the appropriate vendor.
	Valid values:    Disabled    Source Technologies    ACOM    Xerox    microMICR    Troy MICR Printing    Teleform    Custom Setup
6	Select F3 (F3 - Enable MICR).  The Define MICR screen redisplays.



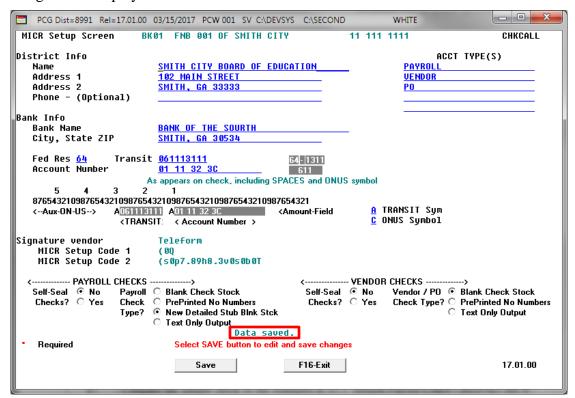
Step	Action
7	Enter the code, or select the Drop-down selection icon within the <b>BANK ID</b> field to choose the bank's information.
8	Select F5 (F5 - Setup Bank MICR).
	PCGenesis automatically saves field entries when Enable MICR, Disable MICR, Setup Bank MICR, Disable Bank MICR or Delete Bank MICR options are completed successfully.



Step	Action
9	Verify the <i>System Control</i> information exists in the ( <b>District Info</b> ) Name, Address 1, Address 2, and Phone – ( <b>Optional</b> ) fields are correct. Modify the defaulting information where appropriate.
	The information in the "District Info" fields will default from the System Control Information screen. Since this information displays on the checks, it may be modified on the MICR Setup screen as needed for payroll and vendor check printing.
	The information in the Fed Res, Transit Sym, and ONUS Symbol fields defaults automatically, and <u>should not require modification</u> .

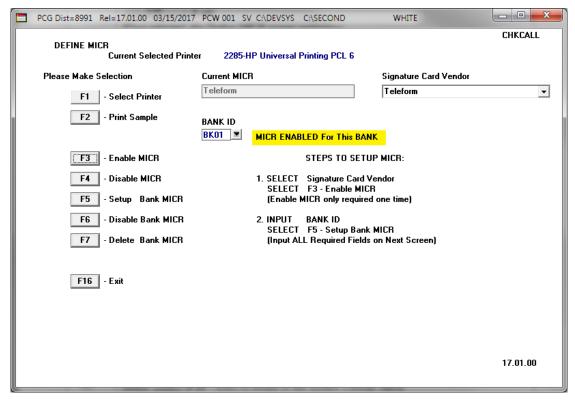
Step	Action
10	Enter the bank's information in the Name, City, State, ZIP, ACCT TYPE(S), Transit, and Account Number in the field.
	Account Types include "Payroll", "Vendor", "General". Including the <u>first ACCT TYPE(S)</u> field, up to five accounts may be entered per bank's record. These entries will allow checks to be easily identified when printed since the "General", "Payroll", or "Debt Service" description displays on the check.
	The account number applies to the bank accounts from which checks will be paid, and in most cases, will be provided by the local bank or the financial institution. Account numbers may contain up to eighteen (18) digits, and the ONUS symbol. When making this entry, all spaces and the character that calls the ONUS symbol must be entered. At least one account number must be entered for each bank.
11	<b>To define a</b> <i>Custom Setup</i> : Using the <i>PCL Font List</i> , identify the <i>E-13B MICR</i> font and enter the appropriate <u>case sensitive</u> values within the <i>MICR Setup Code 1</i> and 2 fields.
	<b>MICR Setup Code 1</b> is defined on the Printer's <i>PCL Font List</i> as the <u>first Escape Sequence</u> ( <esc>), for example, <esc>(10O<esc>(sp0p8.00h8.0v0s7b360T, the entry would be (10O. Do not enter the "<esc>".</esc></esc></esc></esc>
	<b>MICR Setup Code 2</b> is defined on the Printer's <i>PCL Font List</i> as the <u>second Escape</u> Sequence ( <esc>), for example, <esc>(10O<esc>(sp0p8.00h8.0v0s7b360T, the entry would be (sp0p8.00h8.0v0s7b360T. Do not enter the "<esc>".</esc></esc></esc></esc>
	Note: When defining a Custom Setup, the <b>Transit Symbol</b> and <b>ONUS Code</b> must match the parameters on the custom E-13B MICR font.
12	Verify the appropriate option is selected in the <b>Self-Seal Checks</b> ? for <b>Payroll Checks</b> ( <b>No/Yes</b> ) field.
13	Verify the appropriate option is selected in the <b>PAYROLL CHECK TYPE?</b> This selection defines the types of checks to be printed for payroll checks and direct deposits.
	<ul> <li>Blank check stock</li> <li>Pre-printed no numbers</li> <li>New detailed stub blank stock</li> <li>Text Only Output</li> </ul>
	The <b>New detailed stub blank stock</b> option is the new and improved pay check statement. Selecting this option requires contacting the PCGenesis Help Desk for implementation instructions.
	The <b>Text Only Output</b> option is available in order to support third party check printing. Using this option will allow PCGenesis to output payroll checks and direct deposit advices as text-only files so that these files may be captured by a third party for processing. The text-only output will contain only ASCII characters and will NOT contain any printer PCL code, MICR sequences, or signature fonts.

Step	Action
14	Verify the appropriate option is selected in the <b>Self-Seal Checks?</b> for <b>Vendor Checks</b> ( <b>No/Yes</b> ) field.
15	Verify the appropriate option is selected in the <b>VENDOR / PO CHECK TYPE?</b> This selection defines the types of checks to be printed for vendor checks and purchase orders.
	<ul> <li>Blank check stock</li> <li>Pre-printed no numbers</li> <li>Text Only Output</li> </ul>
	The <b>Text Only Output</b> option is available in order to support third party check printing. Using this option will allow PCGenesis to output vendor checks as text-only files so that the check file may be captured by a third party for processing. The text-only output will contain only ASCII characters and will NOT contain any printer PCL code, MICR sequences, or signature fonts.
16	Select Save (Save). (NOTE: The ENTER key will validate the data without saving the data.)
	When selected, a sample MICR-encoded document will be printed and the MICR Setup/Bank Information Verification screen redisplays. Refer to the sample documents on the following pages before proceeding.
	When there are no errors, the MICR Setup screen redisplays.
	When there are errors, the MICR Setup screen redisplays with the error(s) highlighted. In this instance, make the appropriate modification(s), and select Save.

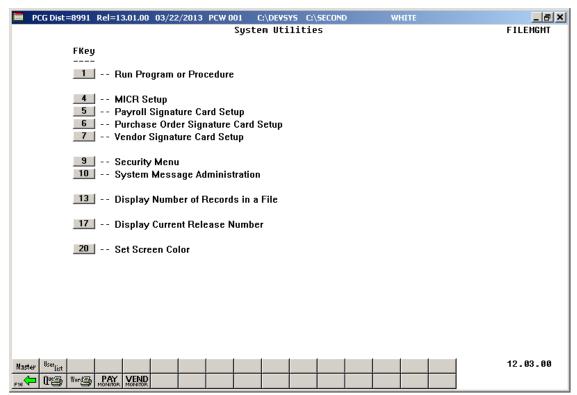


Step	Action
17	Compare the sample check to the examples in A2.1. Sample Payroll Check – Incorrect MICR Line – Example and A2.2. Sample Payroll Check – Correct MICR Line – Example.
18	Use extreme caution when reviewing the sample check by ensuring that the <b>District Information</b> , <b>Account Type/Description</b> , <b>Bank Information</b> , and that the <b>MICR line</b> information is correct.
	The MICR line is located near the middle of the sample check. Depending on the type of checks used, the MICR line will be located to the <u>right</u> of the Self-Seal ON and Self Seal OFF fields. In the MICR line, the "Account Number" entry on the sample check is <u>always</u> '123456'. The "Transit Number" and the "Account Number" field entries are school district- and system- specific.
	If the Transit and ONUS symbols are identified with the letters 'B' and 'C' as in the sample check on the following page, the information is incorrect.
	To correct an INCORRECT MICR line, remove and reinsert the signature card and print a sample check by selecting the "Print Sample" option on the Define MICR screen.  The MICR Setup/Bank Information screen redisplays.

Step	Action
19	Verify the MICR Setup/Bank Information screen's entries are correct and select  Exit (Exit).  When selected, the Define MICR screen redisplays.

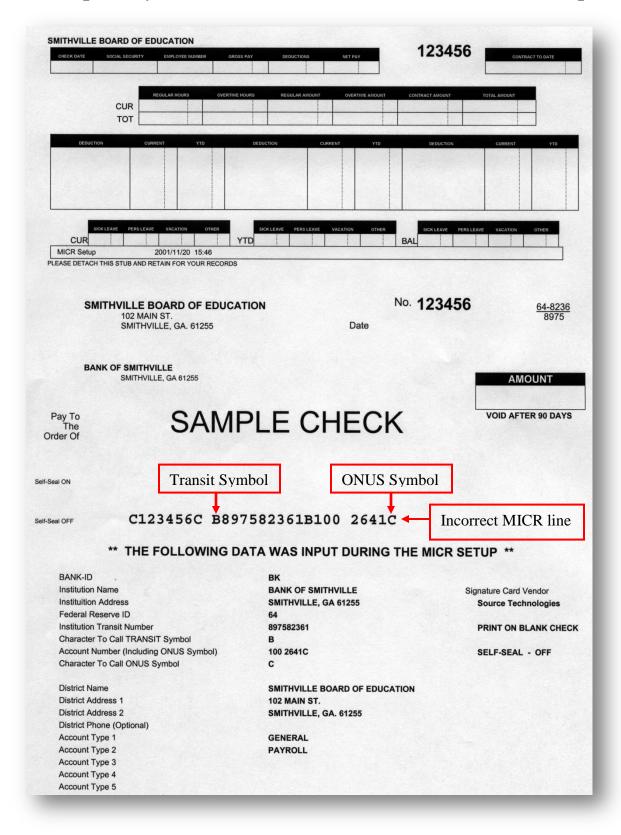


Step	Action
20	Verify the bank code is correct, and that "MICR ENABLED For This Bank" displays.
21	Select F16 (F16 – Exit) to return to the System Utilities Menu.

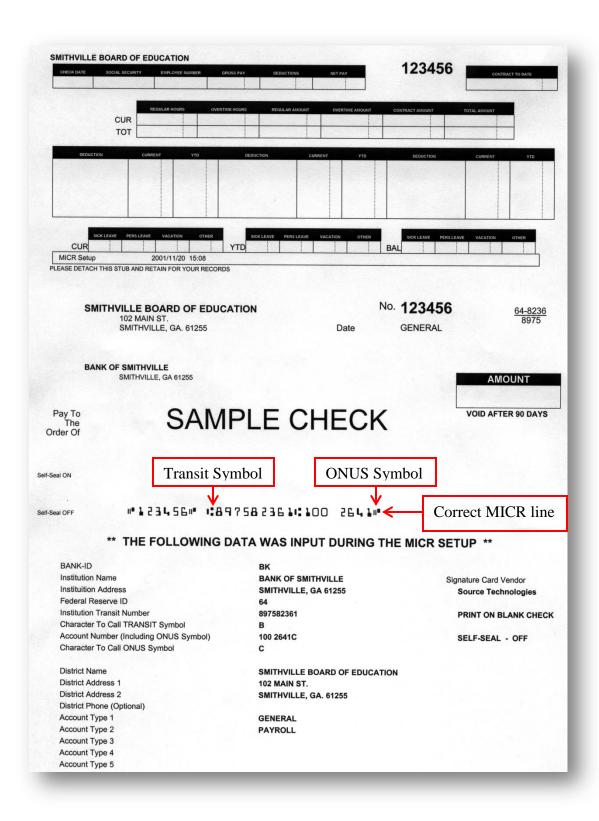


Step	Action
22	Select Master (Master) or F16 (F16 - Exit) to return to the Business Applications Master Menu.

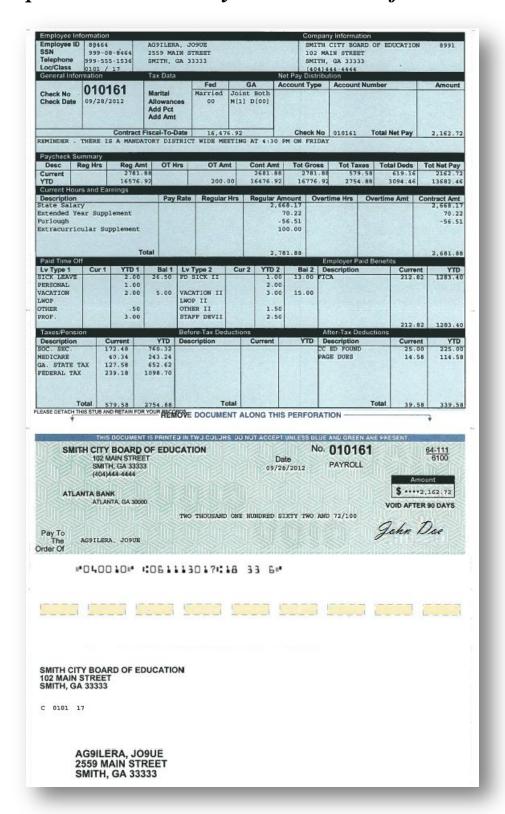
## A2.1. Sample Payroll Check – Incorrect MICR Line – Example



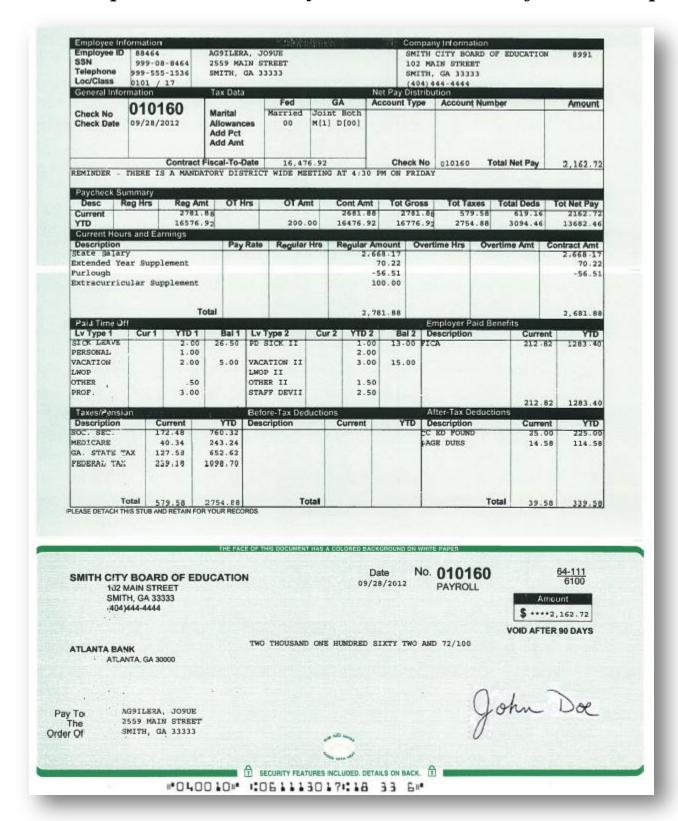
## A2.2. Sample Payroll Check - Correct MICR Line - Example



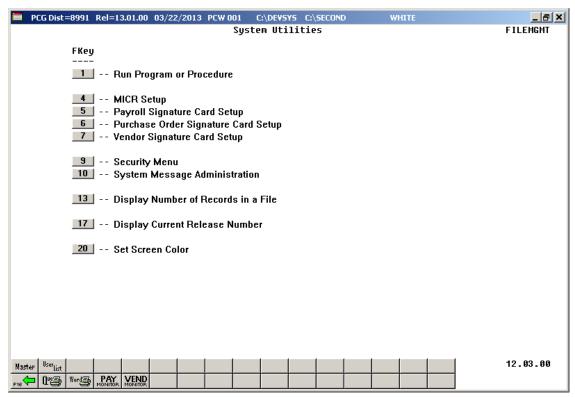
## A2.3. Sample New 8.5 x 14 Payroll Check – Self-Seal Example



## A2.4. Sample New 8.5 x 11 Payroll Check – Non-Self-Seal Example

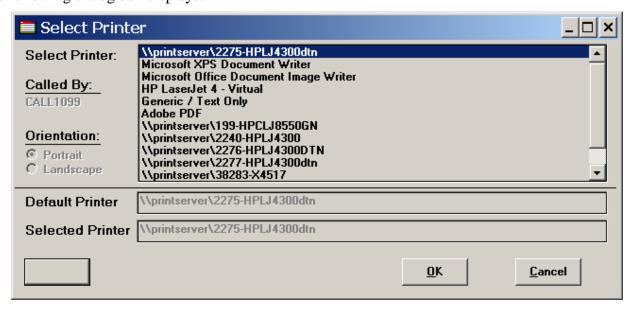


## Procedure B: Disabling MICR Processing

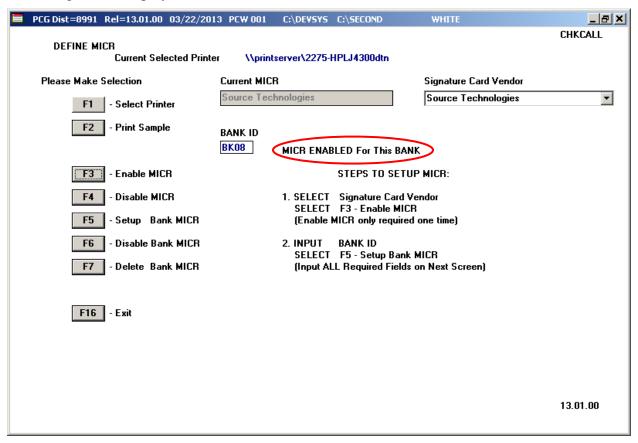


Step	Action
1	Select 4 (F4 - MICR Setup).

The following dialog box displays:

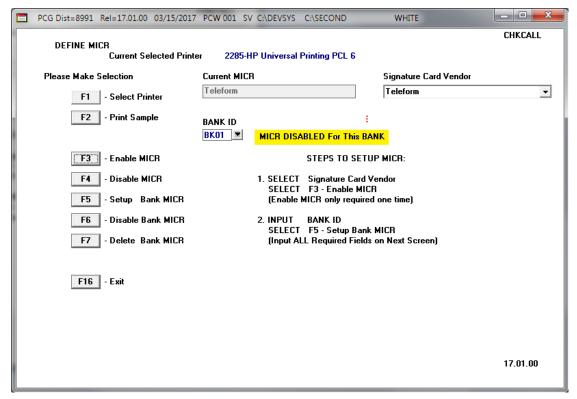


Step	Action
2	Within the <i>Select Printer</i> window, verify <u>or</u> highlight the appropriate printer's name. Verify that the correct printer displays in the <b>Selected Printer</b> text box.
	The printer selected must have already been set up with the appropriate signature card.
3	Select OK (OK).

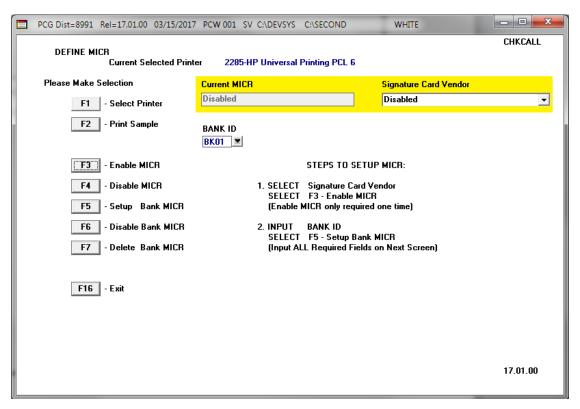


Step	Action
4	To disable MICR for a specific bank: Select F6 (F6 – Disable Bank MICR) and either enter the bank's code or select the Drop-down selection icon within the in the Bank ID field to choose the bank's information.
	To disable MICR for all banks: Select F4 (F4 – Disable MICR).  When selecting "Disable MICR", PCGenesis also automatically disables the "Current MICR" and "Signature Card Vendor" fields. The "Disable MICR" feature may also be selected during payroll and vendor check printing.

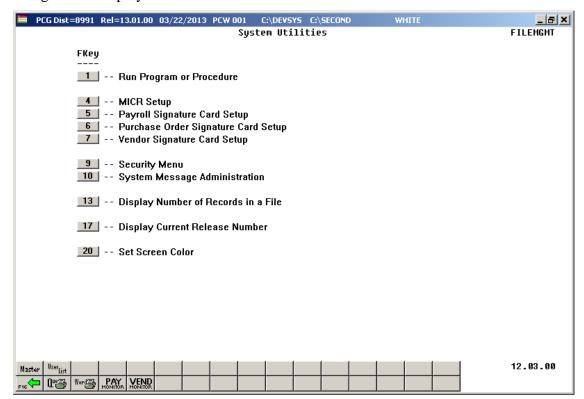
For **Step 4-F6** selections, the following screen displays:



For **Step 4-F4** selections, the following screen displays:

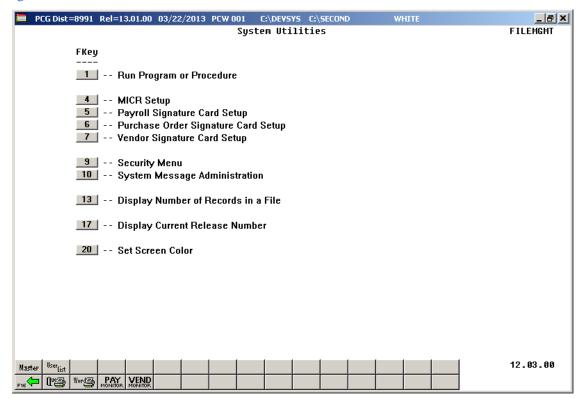


Step	Action
5	Select F16 (F16 – Exit) to return to the System Utilities Menu.



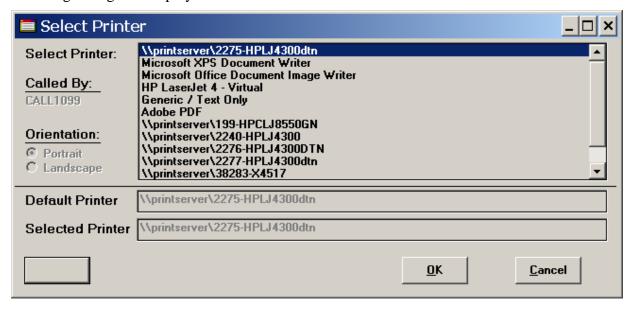
Step	Action
6	Select Master (Master) or F16 (F16 - Exit) to return to the Business Applications Master Menu.

# Procedure C: Deleting the MICR Configuration for a Specific Bank

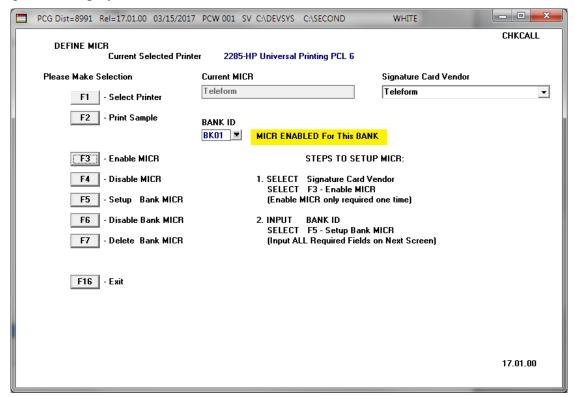


Step	Action
1	Select 4 (F4 - MICR Setup).

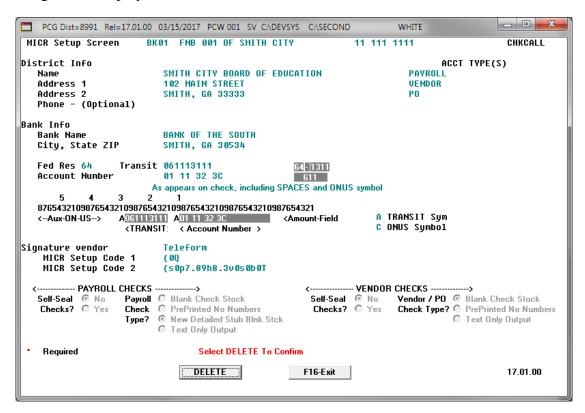
The following dialog box displays:



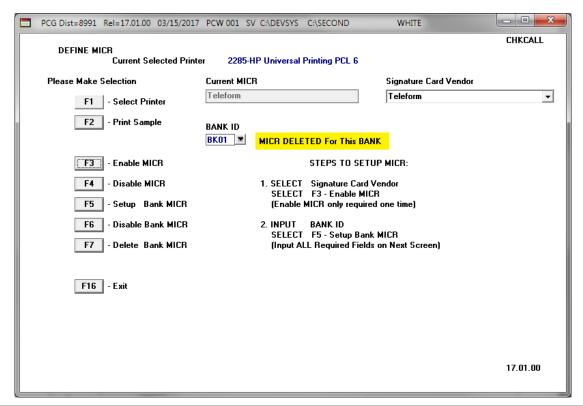
Step	Action
2	Within the <i>Select Printer</i> window, verify <u>or</u> highlight the appropriate printer's name. Verify that the correct printer displays in the <b>Selected Printer</b> text box.  The printer selected must have already been set up with the appropriate signature card.
3	Select OK (OK).



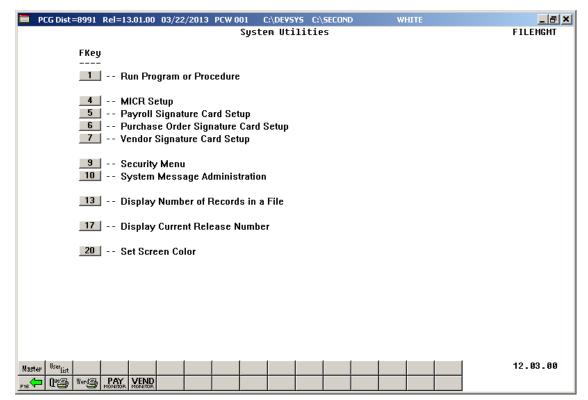
Step	Action
4	Enter the bank code in the <b>BANK ID</b> field, and select <b>F7</b> ( <b>F7 - Delete Bank MICR</b> ).



Step	Action
5	Select DELETE (Delete).

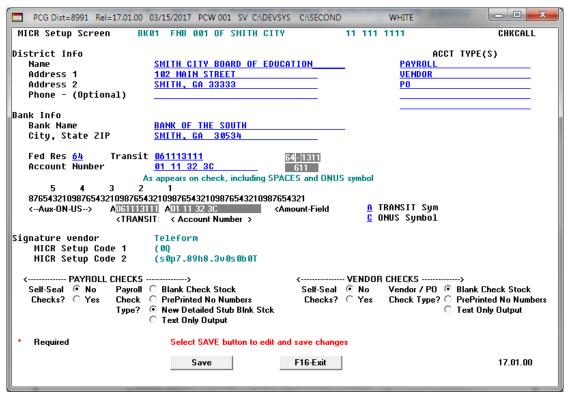


Step	Action
6	Select F16 (F16 – Exit) to return to the System Utilities Menu.



Step	Action
7	Select Master (Master) or F16 - Exit) to return to the Business Applications Master Menu.

## Appendix A: MICR Setup Field Description Table



FIELD NAME	DESCRIPTION	SAMPLE ENTRY			
District Info					
Name	Automatically defaults to the information from the school district's/system's <i>System Information Control</i> record. This field may be modified as needed for check printing purposes.	Smith City Board of Education			
Address 1	(Please see "District Info - Name" above)	102 Main St.			
Address 2	(Please see "District Info - Name" above)	Smith, GA 33333			
Phone – (Optional)	(Please see "District Info - Name" above)	770-423-8989 x(1234)			

FIELD NAME	DESCRIPTION	SAMPLE ENTRY				
Bank Info	Bank Info					
Name	Financial Institution's Name	Bank of the South				
City, State, ZIP	City, State and Zip Code of your financial institution	Atlanta, GA 30000				
Fed Res	64 is the default for most, if not all of Georgia's banks.	64				
	Verify this information with the local financial					
	institution.					
TRANSIT	Financial institution's 9-digit transit number. <b>Verify</b>	061113111				
	this information with the local financial institution.					
Account Number	The school district's/system's account number. This number must be entered <u>exactly</u> as it appears on the MICR line of the check, including spaces and the character used to call the ONUS symbol.	18 33 6C				