

PixelPoint[®]

Ocius Sentinel Integration

Publication Details

Copyright

Copyright © ParTech, Inc. 2017. All Rights Reserved. This product and related documentation are protected by copyright and are distributed under licenses restricting their use, copying, distribution, and decompilation. No part of this product or related documentation may be reproduced in any form by any means without prior written authorization of PAR and any requisite licensors.

Trademarks

PixelPoint, ParTech, and their respective logos are all trademarks of PAR Technology Corporation.

PAR may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document.

Except as expressly provided in any written license agreement from PAR, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property.

Microsoft® and Windows® are registered trademarks of Microsoft Corporation in the United States and/or other countries. Other product names may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

Disclaimer

PAR has thoroughly reviewed this document and believes it to be reliable. However, this document is provided for informational purposes only and PAR makes no warranties, either expressed or implied, in this document. Information in this document is subject to change without notice. Risk of use and responsibility for the results of use of this document lie with the user.

Patents

The following patents apply to some areas of functionality within the PixelPoint software suite: Pat. 6,384,850; 6,871,325; 6,982,733; 8,146,077; 8,287,340

Revision History

06/09/2016 – Initial Release

07/27/2016 – Rev 1

10/12/2016 – Rev 2

03/08/2017 – Rev 3

Table of Contents

Overview	4
Ocius.ini	5
Setup & Configuration	6
Payment Method Setup	6
Ocius Sentinel Setup	9
PixelOciusSentinel.ini	10
Auto-Login.....	11
Processing Payment Transactions	12
Batch Settlements	13

Overview

This integration allows the POS to communicate with and process payments through Ocius Sentinel payment software. Currently, only the 'Normal' and 'Minimized' operation modes are supported by PixelPoint. Refer to the Ocius Sentinel documentation for more information on each of these operation modes.

Requirements

- PixelPointPOS.exe 12.3.16.5
- VeriFone-UK PixelPoint License Module (to be obtained through your Channel Manager)
- OciusSentinel.dll 12.3.16.5 (to be copied into the C:\PixelPOS\DLLS folder)
- PixelOciusSentinel.ini (to be copied into the C:\PixelPOS folder)
- Ocius Sentinel software V3.56.9.2 or higher
- Ocius.ini (to be copied into the C:\ProgramData\VeriFone\PAYWare Ocius Sentinel folder on each station that is using a payment device)

Note: It is strongly recommended to either enable Auto Login or to manually start the Ocius software each time before starting the POS.

Supported Functions

- Purchase
- Refund
- Offline transaction
- Batch settlement

Policies

Before configuring in POS, the following policies must be enabled:

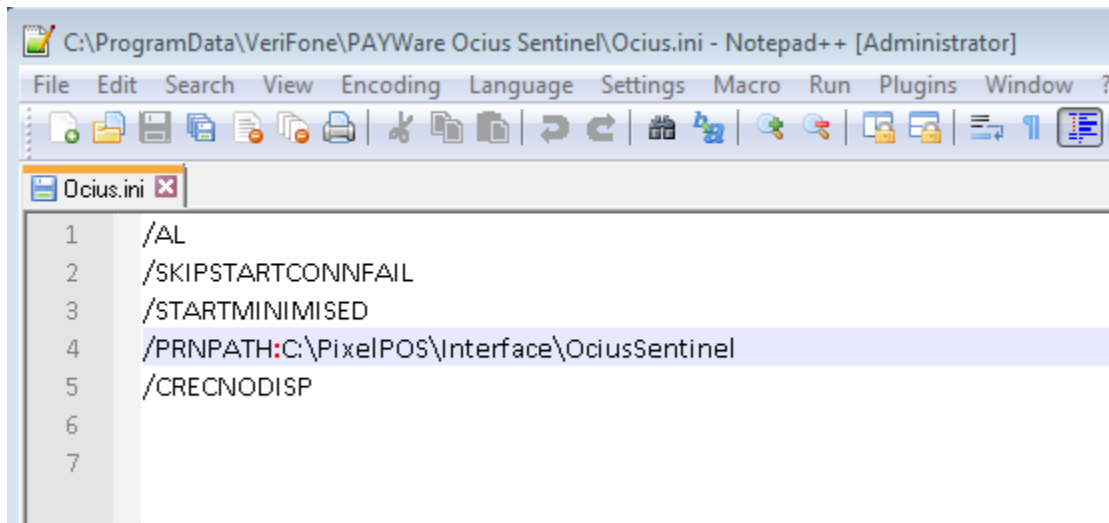
- UseCustomPayment

Note: The POS must be restarted for newly enabled policies to take effect.

Ocius.ini

The file *Ocius.ini* file must be copied into the folder *C:\ProgramData\VeriFone\PAYWare Ocius Sentinel*. Once the file has been copied into the correct folder, open it and edit it so it reads as follows:

```
/AL  
/SKIPSTARTCONNFAIL  
/STARTMINIMIZED  
/PRNPATH:C:\PixelPOS\Interface\OciusSentinel  
/CRECNODISP
```



The entry `/PRNPATH:C:\PixelPOS\Interface\OciusSentinel` specifies the folder location that all receipts, both the merchant and cardholder copy, will be saved in. This allows receipts to easily be reprinted once a transaction has been completed. A different file path may be chosen, however it is recommended to use the shown path.

Setup & Configuration

Payment Method Setup

1. In BackOffice>Payment Method Setup, create a new payment method and name it Ocius Sentinel.
2. Select '**Custom**' as the method of payment.

The screenshot shows the 'OciusSentinel' payment method setup window. The 'Method of Payment' tab is selected. The 'Description' field contains 'OciusSentinel'. The 'Report Category' is set to 'Default'. The 'Exchange Rate' is '1' and the '# of Decimals' is '2'. In the 'Select' section, the 'Custom' radio button is selected and highlighted with a red box. In the 'Payment Options' section, the 'Sale Auth (No PreAuth)' checkbox is checked and highlighted with a red box. Other options like 'Disable Cash Drawer Opening', 'Allow Retip', 'Force Tender Settlement', 'Show Calculated Tendered Amt.', 'Is Bank Deposit Item (non-EFT)', and 'Ask For Cashback' are unchecked. The 'Card Prefixes' field is empty. The 'Is Active?' checkbox is checked. The window has a title bar with 'OciusSentinel' and a close button. The bottom of the window has a blue bar with a card icon, navigation buttons, and a 'Close Form' button.

3. Under Payment Options, check the box '**Sale Auth (No PreAuth)**'.
4. Click the **Advanced** tab.

The screenshot shows the 'OciusSentinel' payment method setup window, now on the 'Advanced' tab. The 'Custom DLL' field contains 'OciusSentinel.dll' and is highlighted with a red box. The 'Cash Change Processing' dropdown is set to 'Provide change in the current payment method'. The 'Print Customer Authorization Slip with Transaction Receipt' checkbox is unchecked and highlighted with a red box. The 'Allow Voids' checkbox is checked and highlighted with a red box. The 'Always Print on Receipt', 'Do not ask for swipe', 'Do not ask for Expiry Date', 'Ask for CVV on manual entry', 'Applies to internal member gift cards only', 'Do not show in POS payment list', 'Prompt for Payment Note', and 'Do not show in Gift Card list' checkboxes are all unchecked. The 'Printed Card Number Format' dropdown is set to 'Default'. The 'Min Value' and 'Max Value' fields are empty. The window has a title bar with 'OciusSentinel' and a close button. The bottom of the window has a blue bar with a card icon, navigation buttons, and a 'Close Form' button.

5. Uncheck the box '**Allow Voids**'.
6. Leave the box **Print Customer Authorization Slip with Transaction Receipt** unchecked.
7. Click the **Browse** button and select the file *OciusSentinel.dll* from the folder C:\PixelPOS\DLLS.
8. Click the **Setup** button.
9. In the resulting window, enter the required information into the corresponding fields. The **Account Number for Store**, **User ID** and **PIN** are provided by Ocius. Note that the Account Number is entered once per location, and the User ID and PIN must be entered for each separate station that is using a payment device.

Ocius Sentinel Config Form

Account Number for Store:

Receipt Path (should match with /PRNPATH in Ocius ini file)

Delay (milliseconds)

☒ Start Ocius if not running

PinPad Connection Settings for each Station

Station #

User ID

PIN

Station IP

Port ☒ Do not ask For Tip

Timeout (sec) ☒ Save All Log Events

Click save for each stations changes.

Version: 12.3.8.2

10. Enter the **Receipt Path**. This must match the path specified in the */PRNPATH* entry in the *Ocius.ini* file from the previous section. It is recommended to copy and paste this path directly from the *Ocius.ini* file.
11. Set the Delay (milliseconds) box to 200 (recommended setting). This causes the POS to delay sending a request after connecting to the Ocius servers. This helps to prevent the Ocius software from crashing when a transaction is sent. The delay time can be adjusted, if needed, until the integration is stable.

12. Ensure the checkbox **Start Ocius if not running** is checked. Though it is recommended to enable the Auto-Login feature (described in a later section) or to always manually start the Ocius software before opening the POS, leaving this option on will automatically start the Ocius software during a transaction in the event that it is not already running.

Note: The Ocius software must be installed to the default file path in order for the POS to be able to open it automatically.

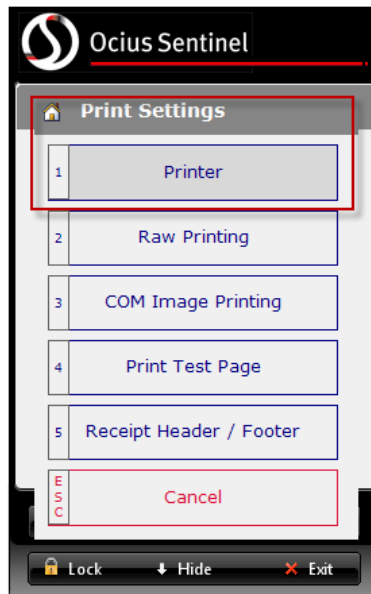
13. Enter the **Station #**, **Station IP** and **Port** for the station that the payment device is connected to.
14. In the **Timeout** field, set a value (in seconds) that will cause the transaction to timeout if left idle for the chosen amount of time.
15. Check the box **Do not ask for tip** if you do not want the payment device to prompt the customer for a tip on each transaction.
16. Check the box **Save all log events** if you want ALL log events from Ocius transactions saved. If selected, the log file will likely increase in size fairly quickly. If unchecked, only communication between the payment DLL and the Ocius software will be logged. It is recommended to leave this option unchecked, unless a complete log of all events is required for support and troubleshooting purposes.
17. Once complete, save all settings and close the Configuration and Payment Method Setup windows.
18. Repeat steps 8-16, configuring each separate station using the **Station #** drop-down box for each additional station that uses an Ocius payment device.

Note: Log files are stored in the folder C:\PixelPOS\Interface\OciusSentinel

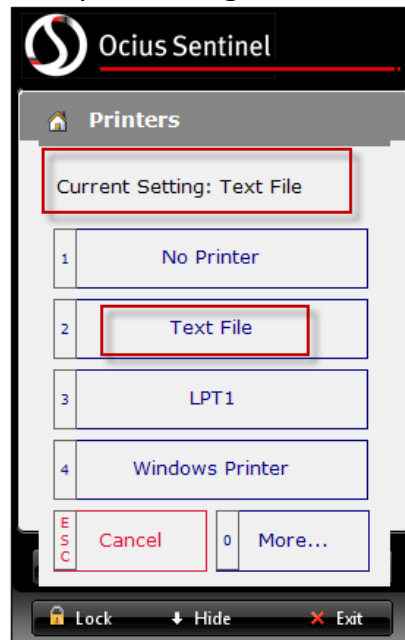
Ocius Sentinel Setup

In order for Ocius receipts to print from PixelPoint, the Ocius software must be configured to output Text Files. To verify or change these settings:

1. Open the Ocius Sentinel software and select **Printer**.



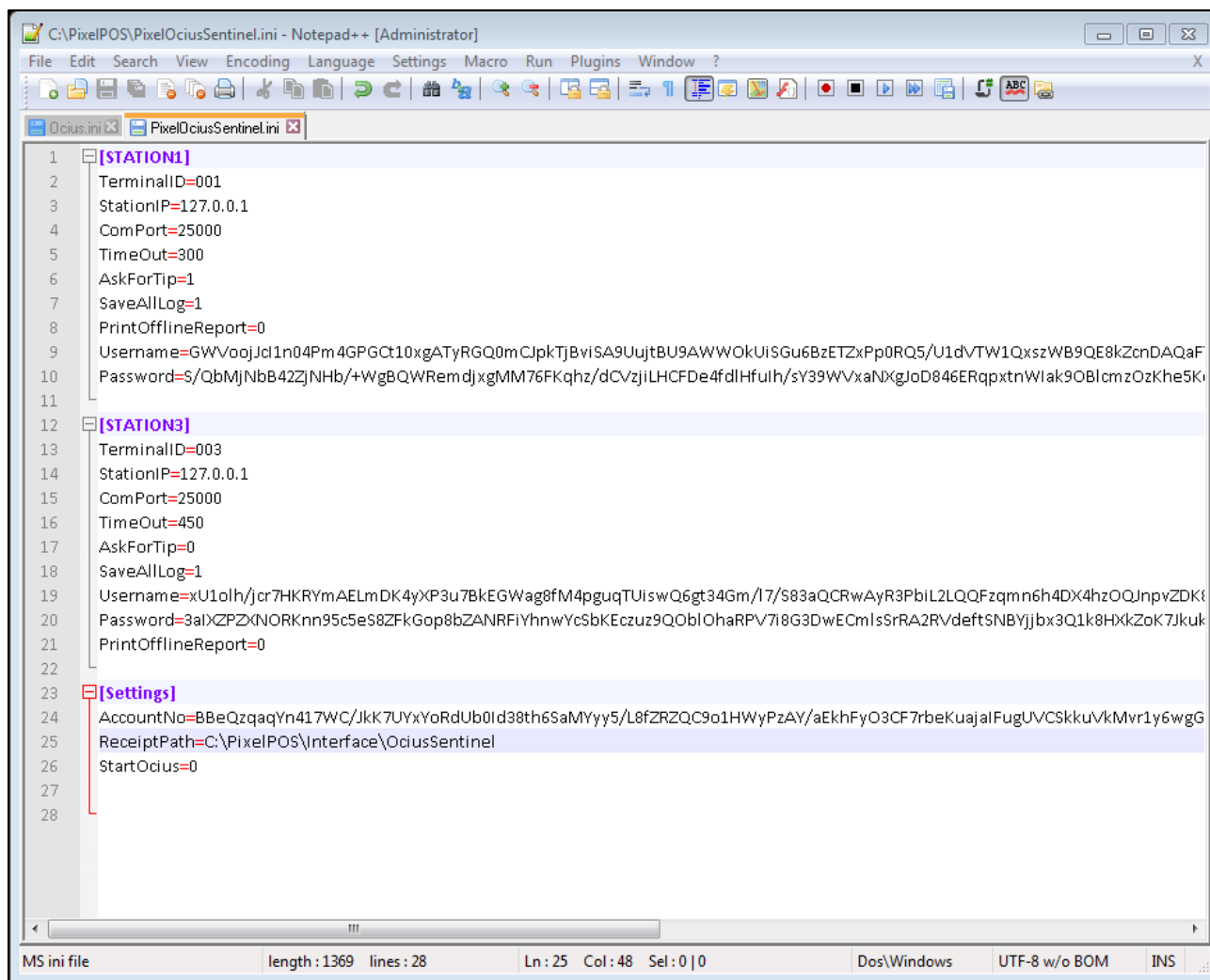
2. Ensure the output is set to **Text File**. If this setting is not already selected, select **Text File** and save your changes.



PixelOciusSentinel.ini

The file *PixelOciusSentinel.ini* must be copied into the PixelPOS folder. This file holds the configuration information entered in the last section of this document. Any changes to information in this file will affect the functionality of this feature in the POS.

The *PixelOciusSentinel.ini* file comes with two station entries by default. If more stations are in use in your environment, edit this file and add additional [Station#] entries, with the # sign replaced by the station number you wish to add. Newly added station numbers will appear in the *Station #* drop-down box found in the Ocius Sentinel Config Form.



```
1 [STATION1]
2 TerminalID=001
3 StationIP=127.0.0.1
4 ComPort=25000
5 TimeOut=300
6 AskForTip=1
7 SaveAllLog=1
8 PrintOfflineReport=0
9 Username=GWVoojJcl1n04Pm4GPGct10xgATyRGQ0mCJpkTJBviSA9UujtBU9AWWOkUISGu6BzETZxPp0RQ5/U1dVTW1QxsZWB9QE8kZcnDAQaF
10 Password=S/QbMJNnbB42ZjNHb/+WgBQWRemdjxgMM76FKqhz/dCVzjILHCFDe4fdlHfulh/sY39WVxaNXgJoD846ERqpxtnWlak9OBlcmzOzKhe5Ki
11
12 [STATION3]
13 TerminalID=003
14 StationIP=127.0.0.1
15 ComPort=25000
16 TimeOut=450
17 AskForTip=0
18 SaveAllLog=1
19 Username=xU1olh/jcr7HKRYmAELmDK4yXP3u7BkEGWag8fM4pguqTUIswQ6gt34Gm/l7/S83aQCRwAyR3PbiL2LQQFzqmn6h4DX4hzOQJnpvZDKi
20 Password=3alXZPZXNORKnn95c5eS8ZFkGop8bZANRFiYhnwYcSbkEczuz9QObI0haRPV7i8G3DwECmIsSrRA2RVdefstSNBYjjbx3Q1k8HxkZoK7Jkuk
21 PrintOfflineReport=0
22
23 [Settings]
24 AccountNo=BBeQzqaqYn417WC/JkK7UYxYoRdUb0l38th6SaMYyy5/L8fZRZQC9o1HWyPzAY/aEkhFyO3CF7rbeKuajalFugUVCSkkuVkmvr1y6wgG
25 ReceiptPath=C:\PixelPOS\Interface\OciusSentinel
26 StartOcius=0
27
28
```

MS ini file length : 1369 lines : 28 Ln : 25 Col : 48 Sel : 0 | 0 Dos\Windows UTF-8 w/o BOM INS

Sample *PixelOciusSentinel.ini* file configured for two stations. The Username and Password are encrypted.

Auto-Login

Though users can also choose to log in to the Ocius software manually each time before opening the POS software, the following Auto-Login process will ensure that the Ocius software is started automatically upon Windows startup.

To enable automatic log-ins:

1. Copy the *Ocius.ini* file into folder C:\ProgramData\VeriFone\PAYWare Ocius Sentinel.
2. Create a shortcut for the file *OciusSentinel.exe* and copy it into the Windows 'Startup' folder to launch this executable automatically at Windows startup.
 - If *OciusSentinel.exe* is running when the POS is started, the auto-login command will be sent to the Ocius Sentinel software based on the User ID and PIN values stored in the *PixelOciusSentinel.ini* file (these values are encrypted).

If the *OciusSentinel.exe* is **not** running or has **not** been logged in upon POS start up:

- The auto-login command will be sent with the first payment transaction.
- If the first attempt to auto-login fails, the following message will be displayed. Users should click [OK] to close the dialog box and reapply the Ocius payment method on the POS finish screen.

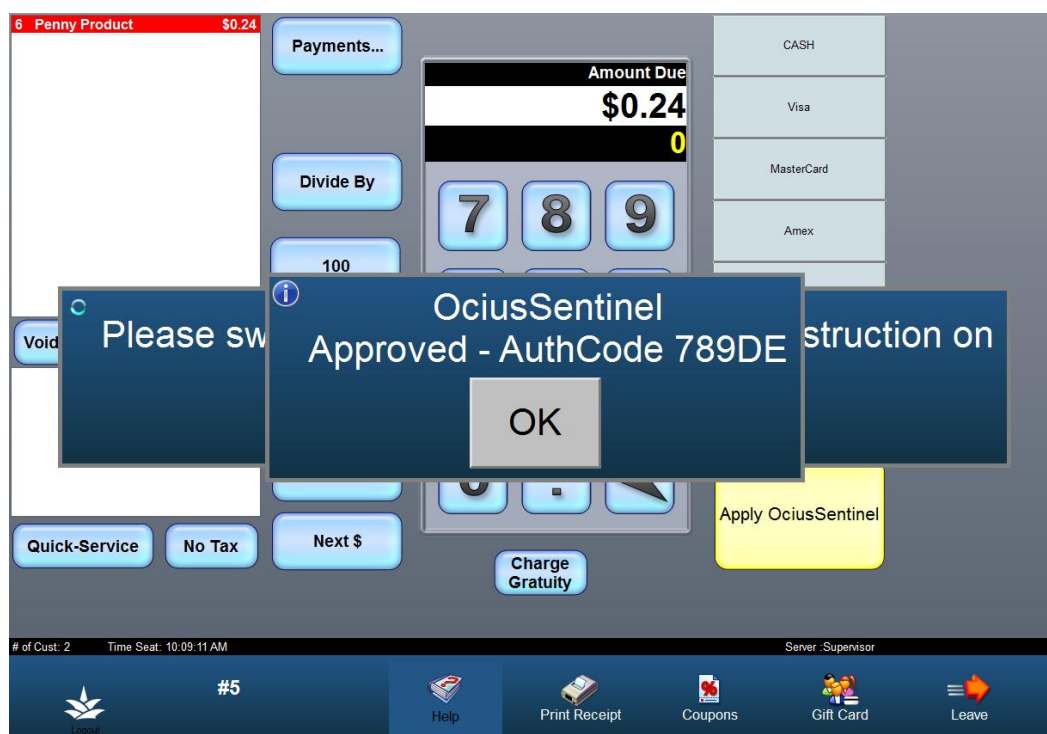
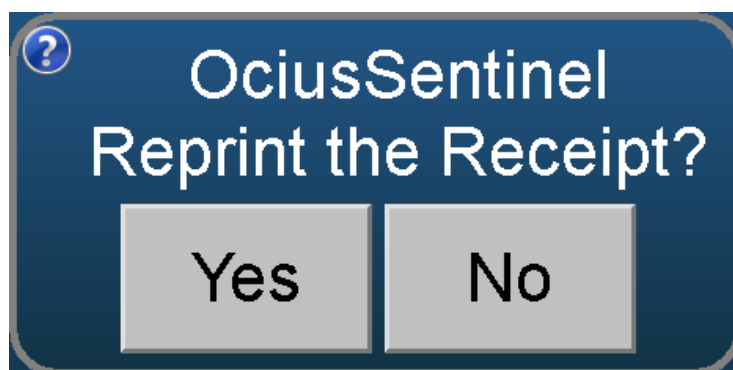


If this message is received again, check that the payment device is powered on, connected correctly and that an active network connection is present. Payment device issues should be directed to Ocius support for assistance.

Processing Payment Transactions

To process a transaction using an Ocius Sentinel payment device:

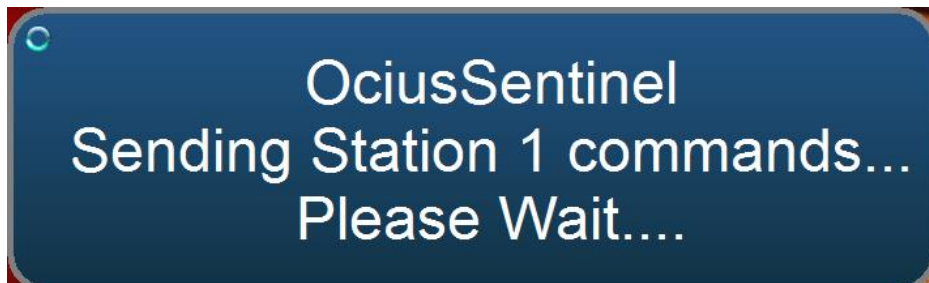
1. Go to the Finish Form and select **Ocius Sentinel** as the payment method.
2. Follow the instructions on the payment device to complete the transaction.
3. If the transaction is successful, the POS will print both the Merchant and Cardholder copies of the receipt to the assigned printer for that station. A window will pop up asking if the user wishes to reprint the receipt. Selecting **Yes** will reprint a copy of the receipt (there may be a slight delay before the receipt starts printing). This window will remain until **No** is selected. Selecting **No** will cause the POS to display an AuthCode for the transaction as it is now completed.



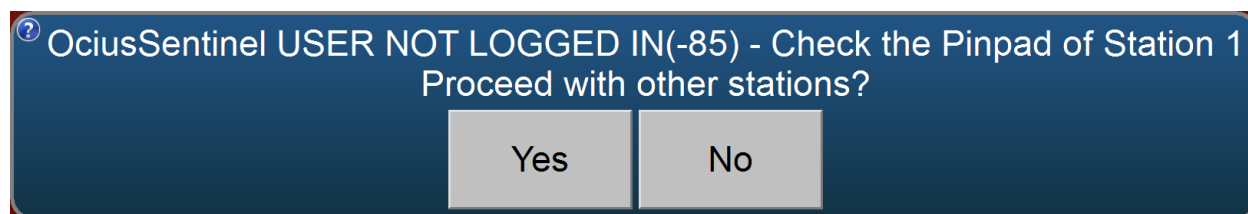
The AuthCode produced for each transaction will be printed on the PixelPoint Authorization Slip.

Batch Settlements

Batch Settlements are initiated from Station 1. All offline transactions stored in each stations' payment device will be sent to the Ocius software for processing, followed by the Z Report command.



The above window will appear as the process cycles through all stations in the environment. If the settlement is not successful on a certain station, the below window will appear.



Selecting **Yes** will skip the batch process on the station in question and continue on to the next station. Selecting **No** will cancel the process altogether. If a station is skipped, correct the problem with the payment device and settle the batch again. The missing transaction(s) from the failed first attempt should then be processed.

Once the batch process has been successfully completed, the Z report from all stations will be printed. This process can take a significant amount of time to complete, depending on the number of stations on the network.

Pixel Print Emulator - Printer Name: EMULATOR

! *NOT FOR RESALE* !

ZReport of Station Number: 1
17 May 2016 15:11:50
Z REPORT
Terminal: CT205029
ACCOUNT : PAR Technologies
Currency : Pound Sterling
EOD Method: Auto

Card Scheme	Sale	Cashback	Refund	Total
Visa (287)	61.06	0.00	0.29	60.77
MasterCard (0)	0.00	0.00	0.00	0.00
Maestro (0)	0.00	0.00	0.00	0.00
Visa Debit (0)	0.00	0.00	0.00	0.00
Electron (0)	0.00	0.00	0.00	0.00
Visa CPC (0)	0.00	0.00	0.00	0.00
Debit MasterCard (0)	0.00	0.00	0.00	0.00
CURRENT END OF DAY TOTAL (287)				
	61.06	0.00	0.29	60.77

Pixel Print Emulator - Printer Name: EMULATOR

ZReport of Station Number: 3
17 May 2016 15:11:54
Z REPORT
Terminal: CT205029
ACCOUNT : PAR Technologies
Currency : Pound Sterling
EOD Method: Auto

Card Scheme	Sale	Cashback	Refund	Total
Visa (287)	61.06	0.00	0.29	60.77
MasterCard (0)	0.00	0.00	0.00	0.00
Maestro (0)	0.00	0.00	0.00	0.00
Visa Debit (0)	0.00	0.00	0.00	0.00
Electron (0)	0.00	0.00	0.00	0.00
Visa CPC (0)	0.00	0.00	0.00	0.00
Debit MasterCard (0)	0.00	0.00	0.00	0.00
CURRENT END OF DAY TOTAL (287)				
	61.06	0.00	0.29	60.77
Gratuity Total				1.53