

## POS integration with AccountsIQ

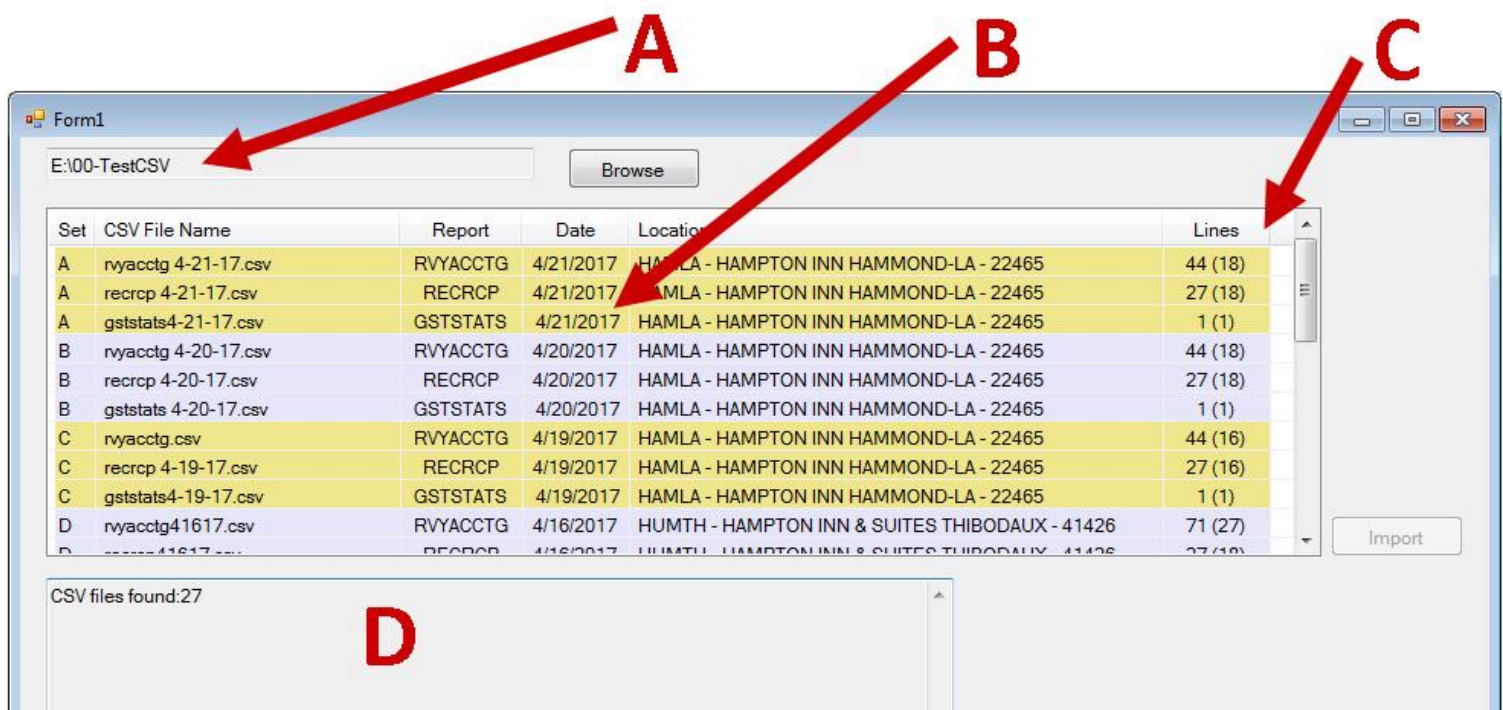
**Overview:** My program for POS integration with Accounts IQ is pretty simple for the user. The end user (at first probably Todd) just needs accumulate CSV files from the various locations and drop them into a designated folder on his computer desktop. The program takes from there and delves into each file to determine its validity, then extract and display information to the end user to post.

My program recognizes the files below. Early on I had only CSV files for RVYACCTG but it has since determined this report lacks needed data and recently CSV reports RECRCP and GSTSTAT were found that gives us complete data.

"3 Pack"	
RVYACCTG	PTD/YTD Accounting Report
RECRCP	Receivable Recap
GSTSTAT	Guest Statistics

Screen 1 (below) shows how CSV file information is presented. Files are grouped by report date and location with the most recent dates at the top. Groups of files that are valid "3 packs" are denoted by alternating yellow and blue colors. The user can select any one of the valid files, click on Import to process transactions from the three files for that location/date.

- A Designated folder for CSV files which can be changed on demand.
- B CSV files in folder.
- C Lines of data in each file. In parenthesis is the number of dollar amounts retrieved from each file. Zero dollar amounts are ignored.
- D Details of what tasks the program is doing in the background.



Screen 1

## POS integration with AccountslQ

Screen 2 (below) shows data aggregated from a valid 3-pack. It is here the user assigns GL accounts for each dollar amount. This process maybe tedious at first but the program remembers the user preference for each amount description from the CSV file. After a few days probably all the accounts will be mapped. Each line has a note in brackets at the end. This the report code and line number for each amount should the user want to peer into the original CSV file to have a look at the original data.

A key feature on the Screen 2 is (B), the “suspense” option. The POS CSV files have a number of quirks including the fact the some dollar amounts are to the penny, but most are rounded to the dollar. Almost always you’ll have journal entries that don’t balance due to a rounding error. To account for this, my program allows the user to send the out-of-balance amount to a suspense account so it can post.

**Import Location Amounts**

Location: HUMTH - HAMPTON INN & SUITES THIBODAUX - 41426 Date: 04/11/17

**Item Details**

ROOM STATE TAX [RVYACCTG:068] 233.00 Dr: [dropdown] Cr: 2400-00-000 Sales Tax Payable [dropdown] Save

Comment: [text box]

Description	Amount	Debit	Credit
RX>ROOM/ SUITE TAXES>LIABILITY>RM-OCCUPANCY TAX [RVYACCTG:066]	137.00		2400-00-000
ROOM CITY TAX [RVYACCTG:067]	183.00		2400-00-000
ROOM STATE TAX [RVYACCTG:068]	233.00		2400-00-000
100% GUARANTEE ALLOWANCE [RVYACCTG:070]	-217.00		
TODAYS INCOME>Todays Income [RECRCP:001]	5143.00		
TODAYS INCOME>C/C Checkouts [RECRCP:003]	3754.00		
TODAYS INCOME>C/L Checkouts [RECRCP:005]	105.00		1607-00-000
TODAYS INCOME>Tray [RECRCP:008]	49509.32		
CREDIT CARDS>C/C Checkouts [RECRCP:010]	3754.00		1607-00-000
CREDIT CARDS>C/C Allowances [RECRCP:012]	3754.00		
CITY LEDGER>City Ledger [RECRCP:013]	56955.86		
CITY LEDGER>C/L Checkouts [RECRCP:014]	105.00	1605-00-000	

Balance 16.83 ☒ Use Suspence 1105-00-000 Suspense Account [dropdown]

post 1607-00-000 -105.00 d:RECRCP:005<  
post 1607-00-000 -3754.00 d:RECRCP:010<  
post 1605-00-000 105.00 d:RECRCP:014<  
post 1607-00-000 5143.82 d:RECRCP:023<

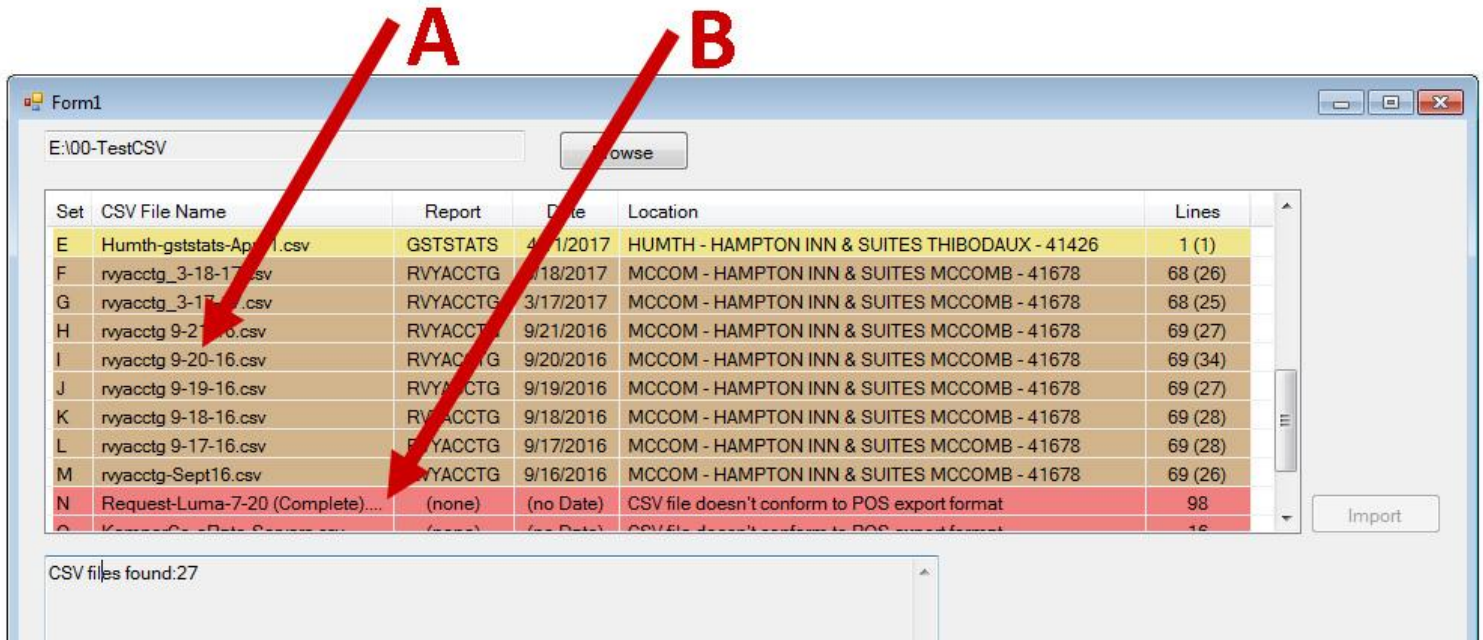
Cancel Post to GL

Screen 2

## POS integration with AccountsIQ

The program also notes when a location is lacking files for a given date. In this example I have only RVYACCTG files from McComb for several days in September. Screen 3 shows files that don't make a 3-pack are displayed in tan (A). The user can actually select Import for any of these files to view data but can't manipulate the amounts since there is no way they can be made to balance.

Files in pink (B) are unrecognized. Either a CSV file from another source has found its way into the folder or there is a serious problem with a POS export file.



Set	CSV File Name	Report	Date	Location	Lines
E	Humth-gststats-Apr 11.csv	GSTSTATS	4/11/2017	HUMTH - HAMPTON INN & SUITES THIBODAUX - 41426	1 (1)
F	rvyacctg_3-18-17.csv	RVYACCTG	3/18/2017	MCCOM - HAMPTON INN & SUITES MCCOMB - 41678	68 (26)
G	rvyacctg_3-17-17.csv	RVYACCTG	3/17/2017	MCCOM - HAMPTON INN & SUITES MCCOMB - 41678	68 (25)
H	rvyacctg 9-21-16.csv	RVYACCTG	9/21/2016	MCCOM - HAMPTON INN & SUITES MCCOMB - 41678	69 (27)
I	rvyacctg 9-20-16.csv	RVYACCTG	9/20/2016	MCCOM - HAMPTON INN & SUITES MCCOMB - 41678	69 (34)
J	rvyacctg 9-19-16.csv	RVYACCTG	9/19/2016	MCCOM - HAMPTON INN & SUITES MCCOMB - 41678	69 (27)
K	rvyacctg 9-18-16.csv	RVYACCTG	9/18/2016	MCCOM - HAMPTON INN & SUITES MCCOMB - 41678	69 (28)
L	rvyacctg 9-17-16.csv	RVYACCTG	9/17/2016	MCCOM - HAMPTON INN & SUITES MCCOMB - 41678	69 (28)
M	rvyacctg-Sept16.csv	RVYACCTG	9/16/2016	MCCOM - HAMPTON INN & SUITES MCCOMB - 41678	69 (26)
N	Request-Luma-7-20 (Complete)....	(none)	(no Date)	CSV file doesn't conform to POS export format	98
O	Request-Luma-7-20 (Complete)....	(none)	(no Date)	CSV file doesn't conform to POS export format	16

CSV files found:27

Import

Screen 3

## POS integration with AccountsIQ

The table below was copied from AccountsIQ test company SNR6956 Hammond property which Todd should also have access to. I replicated the April 11 journal entry the for Thibodaux which Todd helped me sort out. I mapped this out in my application, using CSV data, and posted to AIQ test company. You'll see at the bottom the 17 cents was sent to suspense to make this balance.

Since this test company will have data from various locations I plug in the location code and post date/time in Internal Reference column (C). The description for each line is the report code/line # for the respective amount. The transaction data the report date from the CSV files.

Todd should be able to log into AccountsIQ to view this very same transaction.

Tran Date	Int Ref	Account	Description	Amt	BC Amt
A	B	C (Internal Ref)	D	E (Description)	F
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	1050-00-000 - Community Bank	RVYACCTG:006	378.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	1050-00-000 - Community Bank	RVYACCTG:007	408.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	1050-00-000 - Community Bank	RVYACCTG:008	1866.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	1050-00-000 - Community Bank	RVYACCTG:009	1101.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	4021-40-000 - Pantry Income	RVYACCTG:029	-2.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	4024-20-000 - Sales-Meeting R...	RVYACCTG:031	-5.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	2400-00-000 - Sales Tax Payab...	RVYACCTG:066	-137.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	2400-00-000 - Sales Tax Payab...	RVYACCTG:067	-183.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	2400-00-000 - Sales Tax Payab...	RVYACCTG:068	-233.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	1607-00-000 - Guest Ledger De...	RECRCP:005	-105.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	1607-00-000 - Guest Ledger De...	RECRCP:010	-3754.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	1605-00-000 - City Ledger A/R	RECRCP:014	105.00
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	1607-00-000 - Guest Ledger De...	RECRCP:023	5142.82
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	4020-10-000 - Room Receipts	GSTSTATS:001	-4581.99
Apr-17	11 Apr 2017	Loc:HUMTH 5/10 0:17	1105-00-000 - Suspense Accoun...	HUMTH	0.17