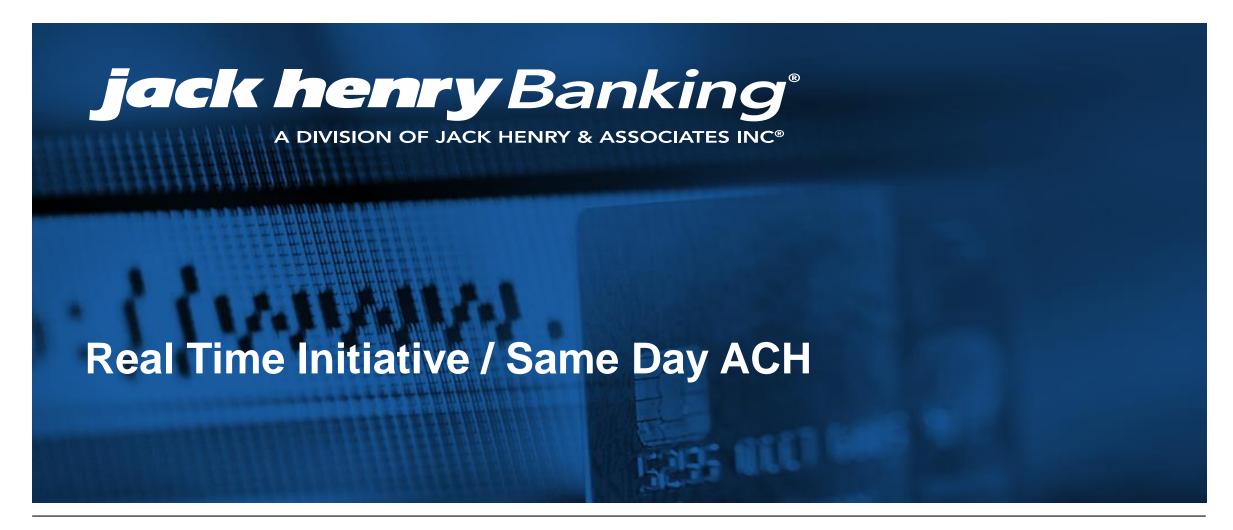
JACKHENRY University





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REAL TIME PHASES

SAME DAY ACH PHASES



Real Time Phases

Phase 1: Loan and Deposit Transactions posted through Xperience™.

Phase 2: Transactions from certain business services.

Phase 3: ACH, Fed Inclearing, POD, and Wires.

Real Time Phase 3

ACH, Fed Inclearing, POD, and Wire Transactions added to Real Time.

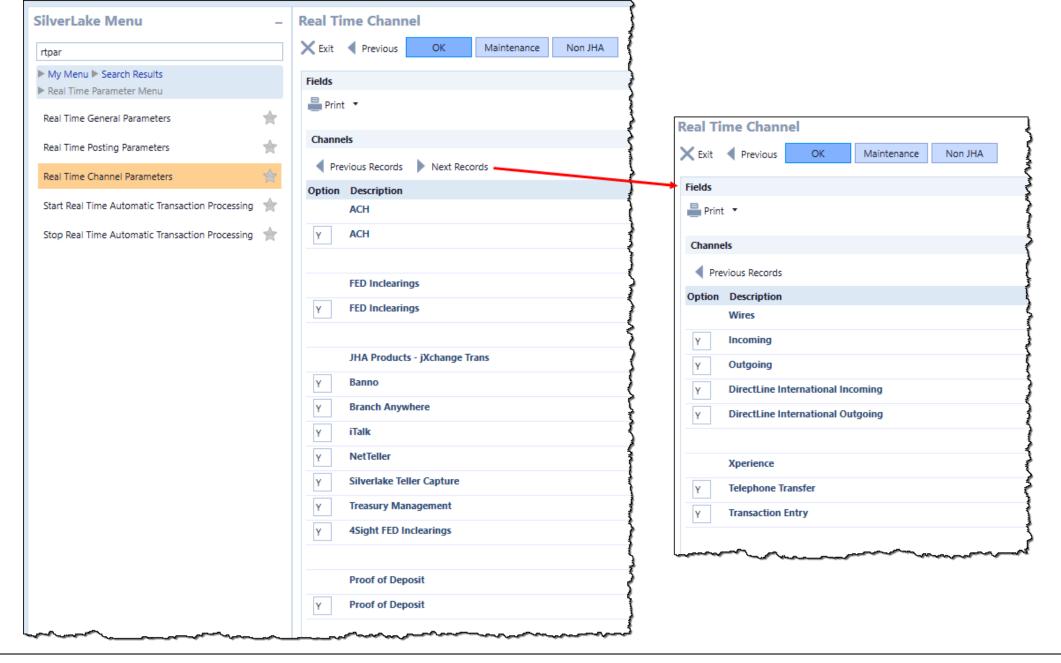
New Real Time Channels Parameter added.

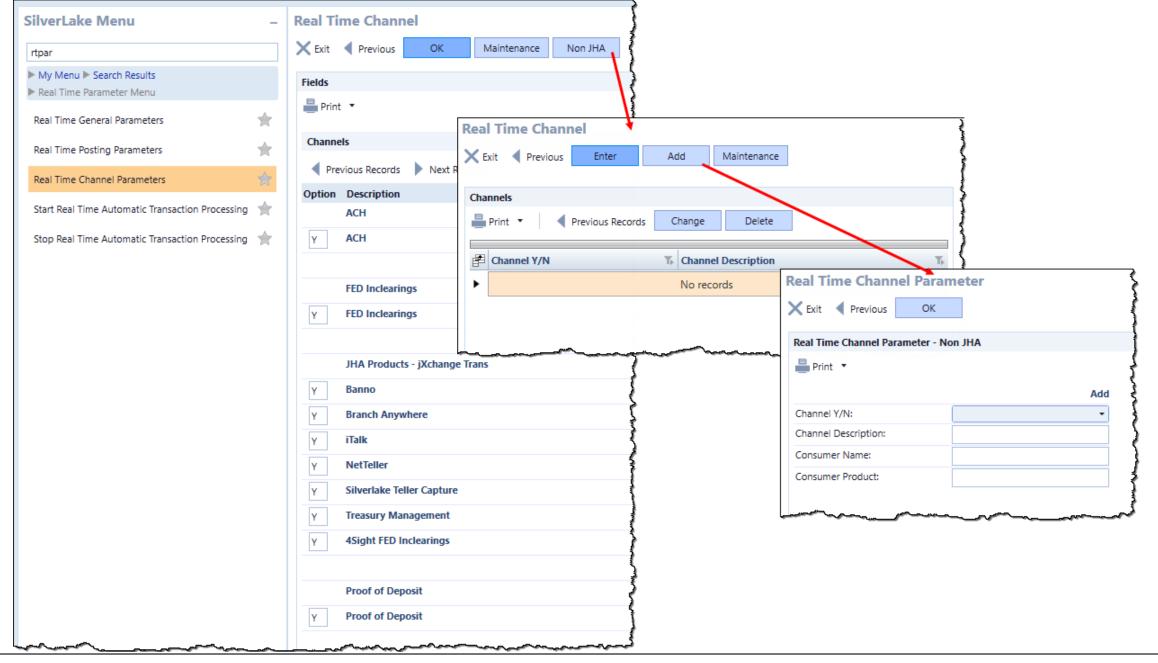
Consider Sweep, Overdraft Protection, and Credits when posting Real Time.

Real Time Posting Channels

Parameter added to allow you to select the channels that post in Real Time.

This allows Real Time to be used for certain types of transactions but not others.





ACH Transactions

When turned on, transactions post in Real Time, updating the balances accordingly.

Transactions posted in real time cannot be changed or deleted.

Real Time posted references are included to help identify transactions.

Report *AC4450P* lists transactions and errors for memo and Real Time posting.

Control ACH Memo Posting by Debit or Credit Code During End-of-Day

The Memo Post ACH During JHCLR field, within the bank processing parameters, was updated to display Real Time Post ACH During JHCLR when Real Time ACH is active.

The field works the same as before by allowing you to select if both debits and credits, credits only, or no transactions should be either memo or Real Time posted.



Fed Inclearing Transactions

When turned on, FED Inclearing transactions post in Real Time.

Transactions posted in real time cannot be changed or deleted.

Real Time posted references are included to help identify transactions.

Several reports were updated to accommodate the Real Time transactions.

POD Transactions

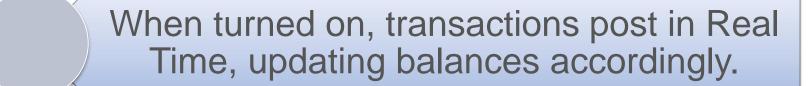


When using Real Time, the references to memo post references are replaced with posted references.

Float amounts are updated when transactions are posted in Real Time.

Reports were modified to accommodate Real Time transactions.

Wire Transactions



Transactions posted in real time cannot be changed or deleted.

Real Time posted references are included to help identify transactions.

Reports were modified to accommodate Real Time transactions.

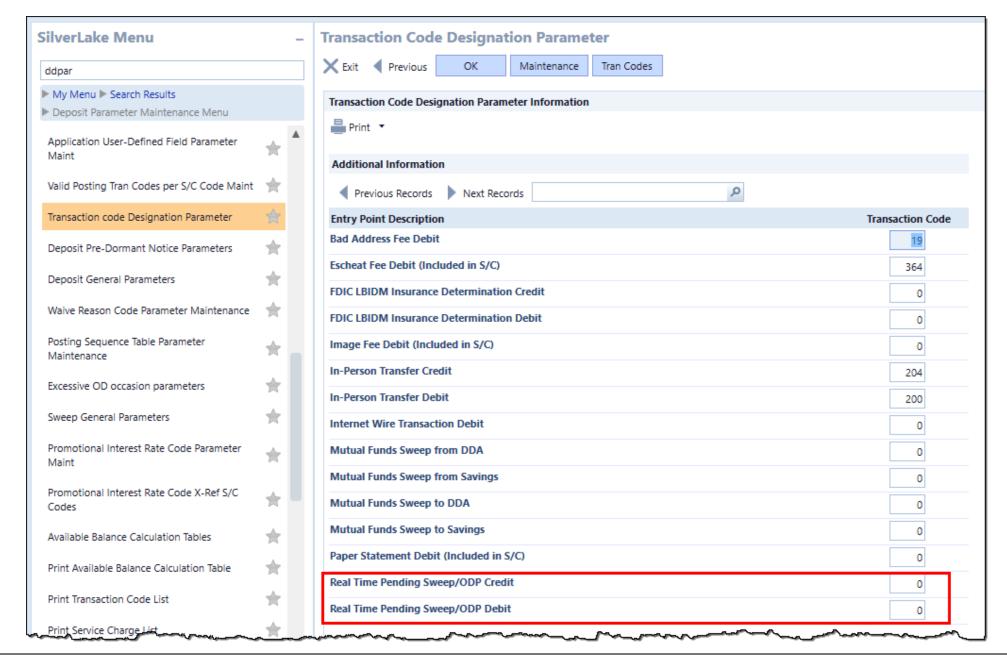
Consider Sweep, Overdraft Protection, and Credits to Avoid OD/NSF Charges

Sweep and overdraft protection balances can be used to avoid overdraft or insufficient charges.

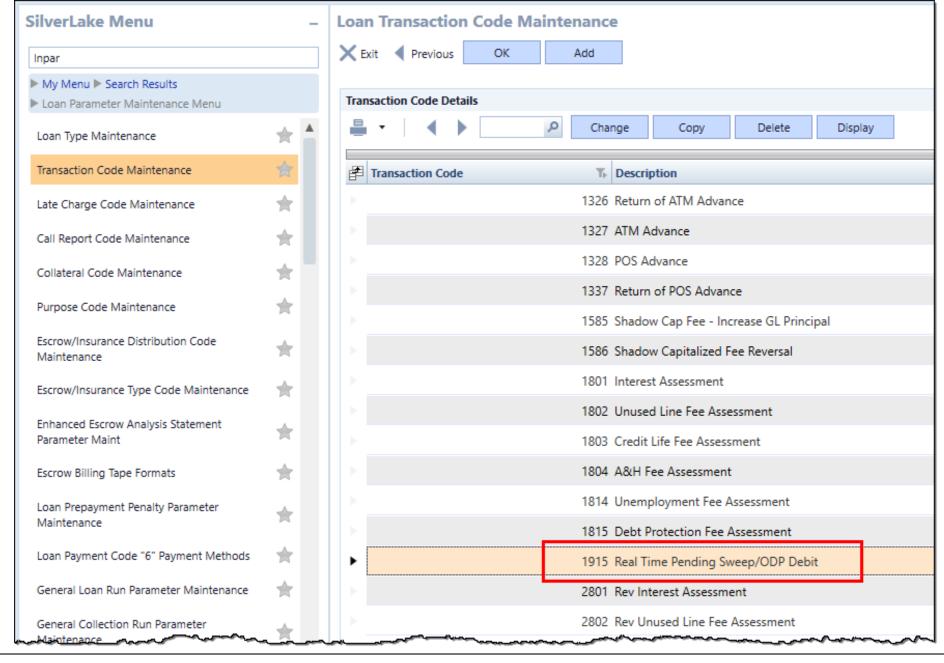
Parameters added to allow deposit transaction codes to be identified that are used in a sweep/ODP situation.

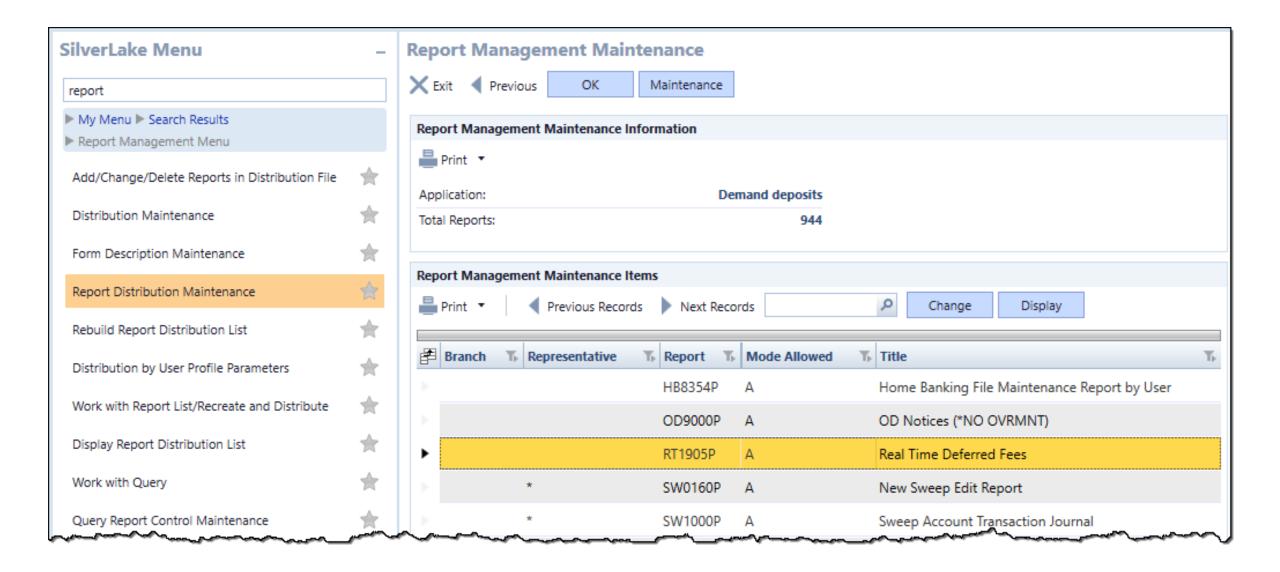
Loan transaction code 1915 added to post the offset debit to a loan account in a sweep/ODP situation.













Same Day ACH Phase 1

Phase 1 – Effective September 23, 2016.

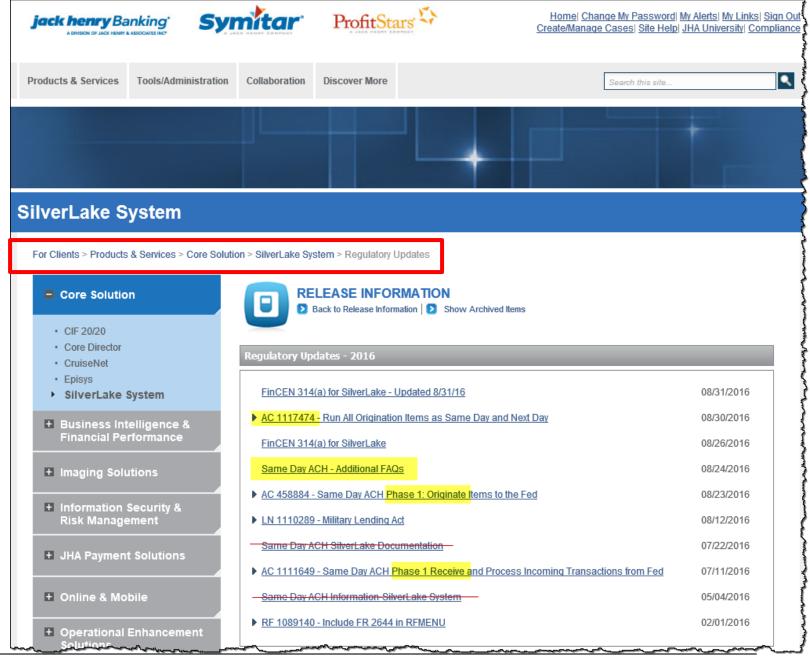
Receive & process incoming transactions from Fed.

Originate Items to the Fed.

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More Information





FED Same Day Items

- Credits
- SEC codes other than IAT or ENR
- $\le $25,000.00$ per item
- Effective Date ≤ Current Date (or invalid)
- Submitted prior to FED cutoff time



Receive and Process Incoming Transactions from Fed

All RDFIs receive Same Day ACH payments, providing funds by end of RDFI processing day.

Two new reports added to aid in identifying same day ACH items.

AC3115 – Incoming Fed File – Total by Settlement Date generates when a file is uploaded.

AC7115 - Incoming Fed File - Total by Settlement Date is a cumulative report generated during EOD processing.



AC3115 and AC7115 – Incoming Fed File – Total by Settlement Date

```
DATE PRINTED: 5/23/16
Daras DDA Test Bank #633 R2016
                                                              Incoming Fed File - Totals by Settlment Date
                                                                                                                              5/24/16 12:29 PM
File ID Modifier: A Transmission Date: 16/04/29
                                                                           Transmission Time: 15:01
Receiving Point ID: 11320255
                                           Destination: Daras DDA Test Bank
Sending Point ID: 01100001
                                           Origin: SilverLake #633 R2016
           Settlement Date: 16/05/24
                                                 Effective Date: 16/05/24
           Debit Count:
                                                              Debit Amount:
                                                                                                 147.46
           Credit Count:
                                                              Credit Amount:
                                                                                              76,102.34
Total Debit Count:
                                                 Total Debit Amount:
                                                                                             147.46
Total Credit Count:
                                                 Total Credit Amount:
                                                                                         76,102.34
                                                                                                                OPTICAL OUTQUE
                                                                                                                                                                                                                   5/31/16 10:54 AM AC3115P Page
                                                                                                                Daras DDA Test Bank #633 R2016
                                                                                                                                                       Incoming Fed File - Totals by Settlment Date
                                                                                                                File ID Modifier: A Transmission Date: 16/04/29
                                                                                                                                                               Transmission Time: 15:01
                                                                                                                Receiving Point ID: 11320255 Destination: Daras DDA Test Bank
                                                                                                                                           Origin: SilverLake #633 R2016
                                                                                                                       Settlement Date: 16/05/27 Effective Date: 16/05/27
                                                                                                                       Debit Count:
                                                                                                                                                       Debit Amount:
                                                                                                                                                                              147.46
                                                                                                                                                       Credit Amount:
                                                                                                                                                                            76,102.34
                                                                                                               Total Debit Count:
                                                                                                                                               Total Debit Amount:
                                                                                                                                                                           147.46
                                                                                                                Total Credit Count:
                                                                                                                                               Total Credit Amount:
                                                                                                                                                                        76.102.34
                                                                                                               Daras DDA Test Bank #633 R2016
                                                                                                                                                       Incoming Fed File - Totals by Settlment Date
                                                                                                                                                                                                                   5/31/16 10:54 AM AC3115P Page 2
                                                                                                               File ID Modifier: B Transmission Date: 16/04/29
                                                                                                                                                              Transmission Time: 12:55
                                                                                                               Receiving Point ID: 11320255 Destination: Daras DDA Test Bank
                                                                                                               Sending Point ID: 01100001 Origin: SilverLake #633 R2016
                                                                                                                       Settlement Date: 16/05/30 Rffective Date: 16/05/30
                                                                                                                       Debit Count:
                                                                                                                                                       Debit Amount:
                                                                                                                                                                            1.540.38
                                                                                                                                           4
                                                                                                                       Credit Count:
                                                                                                                                          18
                                                                                                                                                       Credit Amount:
                                                                                                                                                                           79,751.75
                                                                                                               Total Debit Count: 4 Total Debit Amount:
                                                                                                                                              Total Credit Amount:
                                                                                                               Total Credit Count:
                                                                                                                                                                        79,751.75
                                                                                                               OPTICAL OUTOUR
                                                                                                               Daras DDA Test Bank #633 R2016
                                                                                                                                                       Incoming Fed File - Totals by Settlment Date
                                                                                                                                                                                                                   5/31/16 10:54 AM AC3115P Page
                                                                                                               File ID Modifier: C Transmission Date: 16/04/29
                                                                                                                                                              Transmission Time: 9:45
                                                                                                               Receiving Point ID: 11320255 Destination: Daras DDA Test Bank
                                                                                                               Sending Point ID: 01100001 Origin: SilverLake #633 R2016
                                                                                                                       Settlement Date: 16/06/01 Effective Date: 16/06/01
                                                                                                                       Debit Count:
                                                                                                                                                       Debit Amount:
                                                                                                                                                                             761.51
                                                                                                                                                       Credit Amount:
                                                                                                                      Credit Count:
                                                                                                                                                                           76,770.23
                                                                                                               Total Debit Count:
                                                                                                                                              Total Debit Amount:
                                                                                                                                                                          761.51
                                                                                                               Total Credit Count:
                                                                                                                                              Total Credit Amount:
                                                                                                                                                                        76,770.23
```



Originate Items to the Fed

ODFIs can originate Same Day ACH credits.

Parameters added to assist in controlling items and charging the customer.

Reports added to aid in tracking same day ACH items.



Same Day ACH Participation

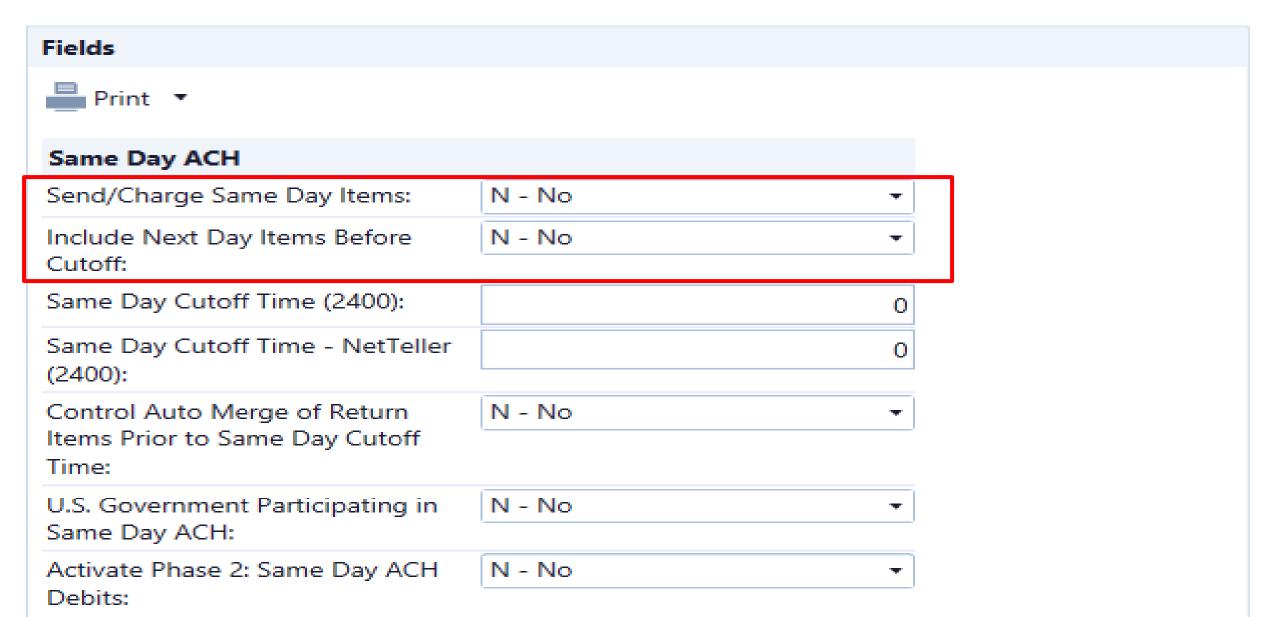
- On September 23, 2016, the Fed began to treat qualified items, received prior to the Fed cutoff, as same day items and charged the bank accordingly.
- Participation is optional.
- If you choose not to participate, you are not sending items that qualify as same day until after the Fed cutoff time.
- This is either done manually or using the new optional parameters.

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ACH General Parameters



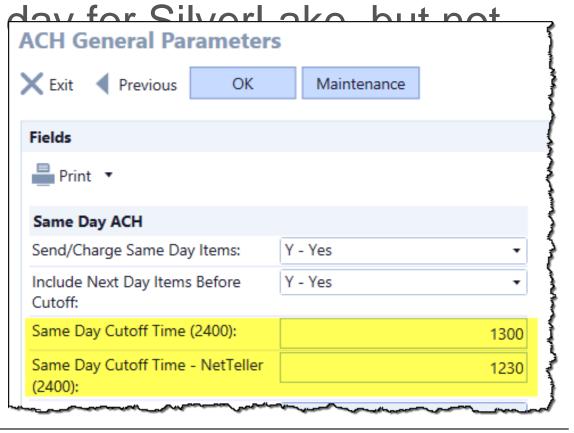


SilverLake Same Day ACH Cutoff Time

 If you create a file before the SilverLake same day cutoff but FED does not receive it by their cutoff time, you can

have items considered same day for Silvari aka, but not

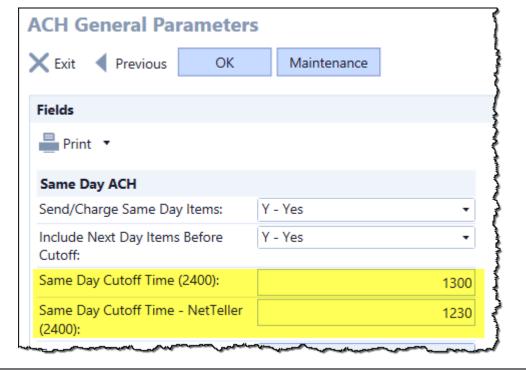
same day for the FED.



SilverLake Same Day ACH Cutoff Time

 If you create a file after the SilverLake same day cutoff and FED receive it prior to their cutoff time, you can have items considered same day for FED but not same day for

SilverLake.



ACH General Parameters

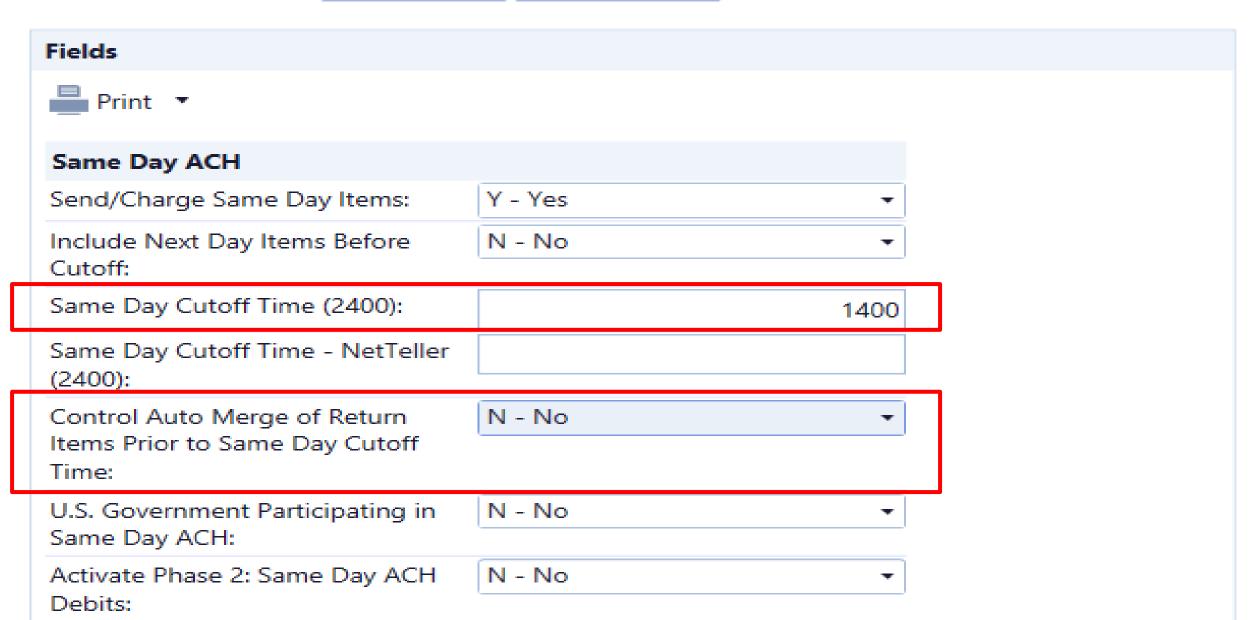




Previous

OK

Maintenance



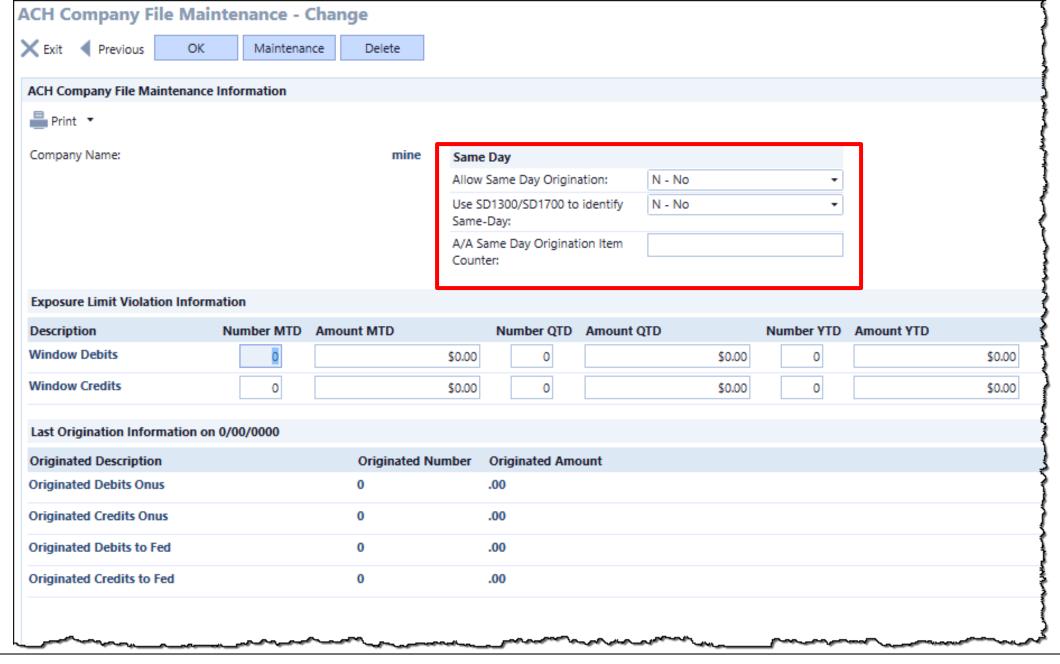
ACH General Parameters

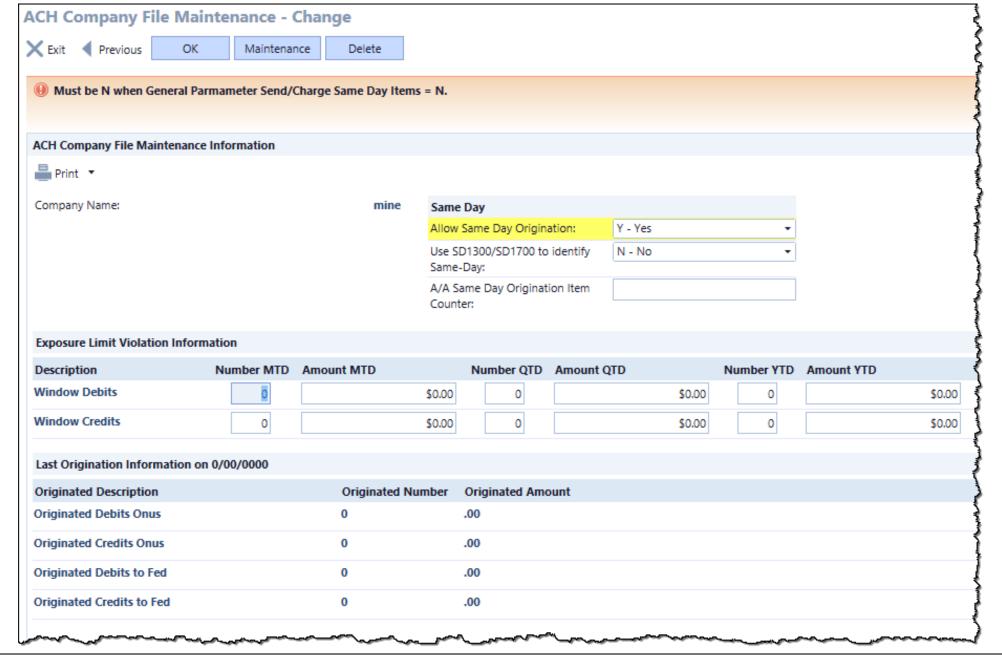


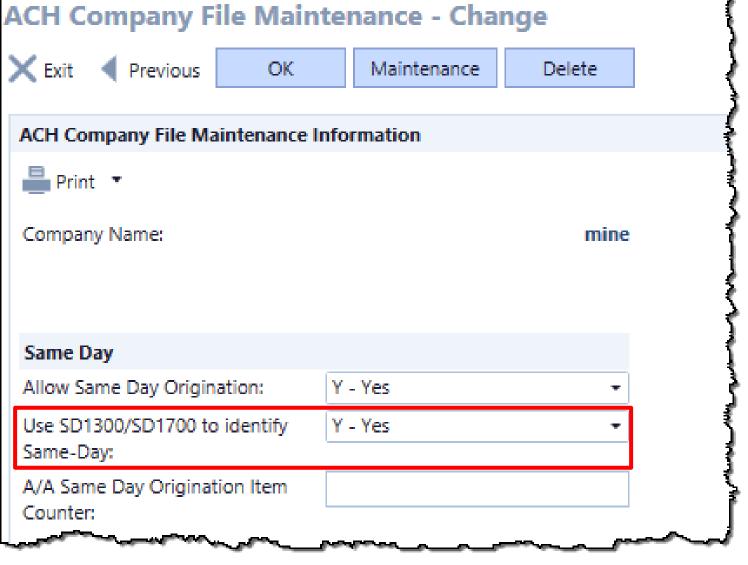
Fields	
Print ▼	
Same Day ACH	
Send/Charge Same Day Items:	N - No ▼
Include Next Day Items Before Cutoff:	N - No ▼
Same Day Cutoff Time (2400):	0
Same Day Cutoff Time - NetTeller (2400):	0
Control Auto Merge of Return Items Prior to Same Day Cutoff Time:	N - No ▼
U.S. Government Participating in Same Day ACH:	N - No ▼
Activate Phase 2: Same Day ACH Debits:	N - No ▼

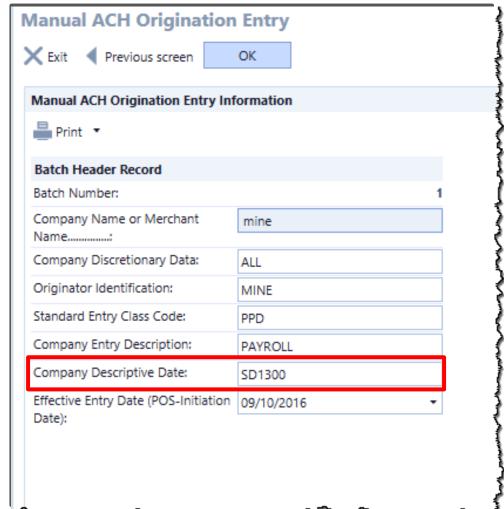
U.S. government items are identified by the 36 in positions five and six of the nine-digit routing number. There are currently eight exceptions. The following are not U.S. government routing numbers.

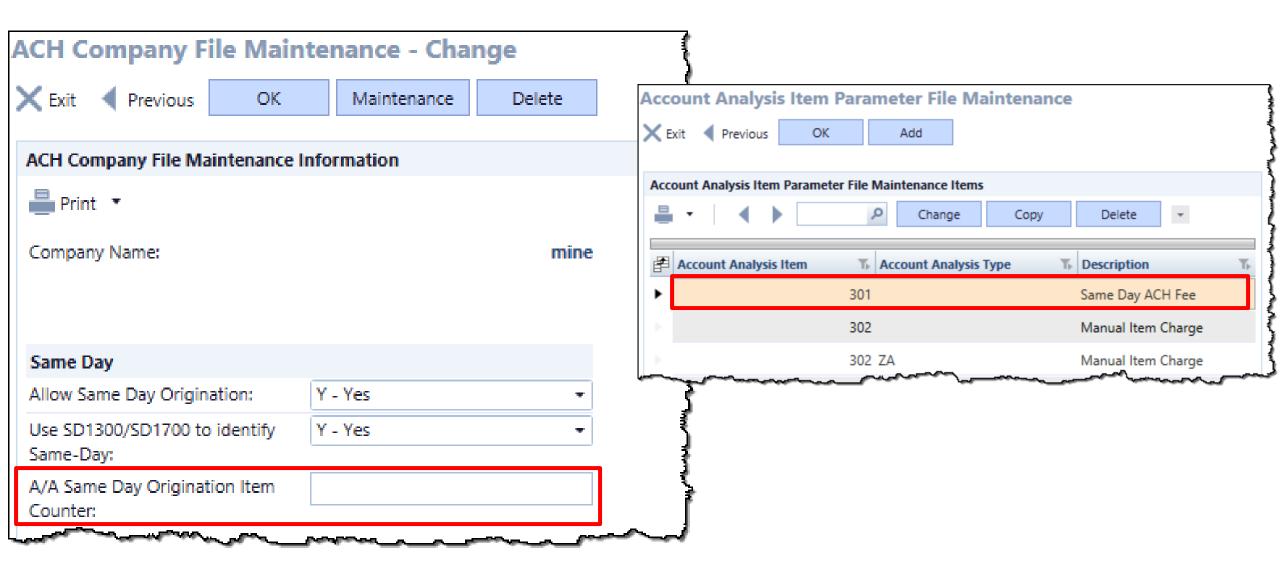
1211 <mark>36</mark> 675	1210 <mark>36</mark> 953	1211 <mark>36</mark> 358	1211 <mark>36</mark> 581
1222 <mark>36</mark> 998	1211 <mark>36</mark> 785	1211 <mark>36</mark> 808	1222 <mark>36</mark> 244











SilverLake Options

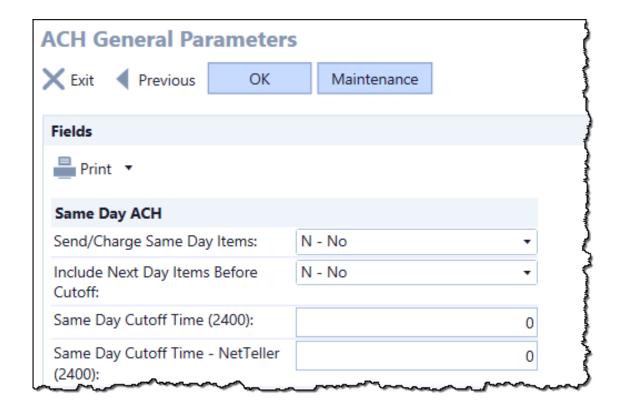
- No parameter changes were required if
 - You manually control the items included in your origination file.
 - You manually control the timing of when Fed receives your file.
 - You are allowing the Fed to treat any qualifying items as same day, and charge you accordingly.

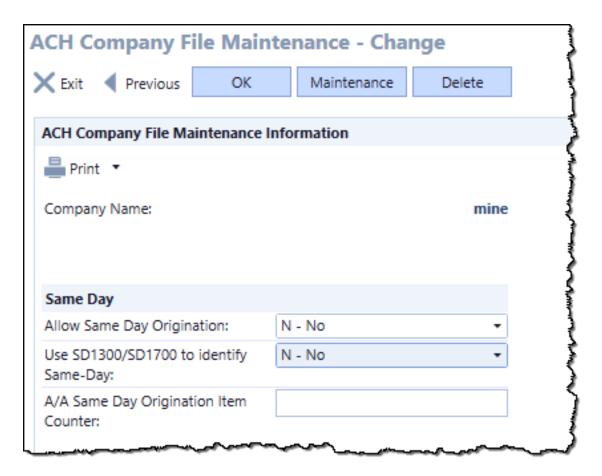
Scenario 1 – No Changes to SilverLake

- Originate same day and next day items.
 - Use the enhancement defaults.
 - ACH origination does not change.
 - You manually control what is in the origination file.
 - You manually control when your origination file is uploaded to the Fed.
 - You accept that qualifying items are treated as Same Day.



Scenario 1 – Defaults / No Change Same Day & **Next Day Items for All Companies**

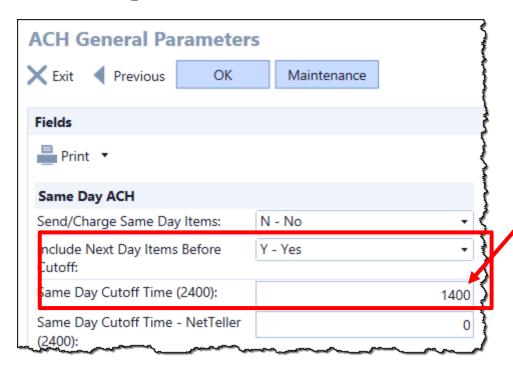




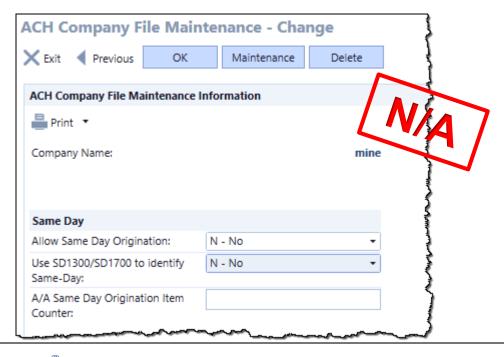
Scenario 2

- Originate next day items only.
 - ACH origination changes
 - The system monitors for same day transactions and does not include them when originating.
 - Origination must be taken again after the defined SilverLake same day cutoff time to originate the excluded same day items.

Scenario 2 – Next Day Items Only for All Companies



Originate again after this time to send same day items.

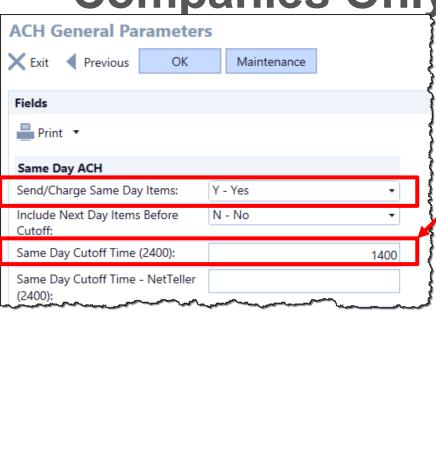


Scenario 3

- Originate same day items for select companies only.
 - ACH origination changes
 - The system monitors for same day transactions and only includes same day items for companies with the company parameters defined.
 - Next day items are not included for any company when an origination file is created.

Scenario 3 – Same Day Items for Select

Companies Only



Originate again after this time to send same day items for the companies that were excluded and next day items.

	OK	Maintenance	Delete
ACH Company File Ma	intenance I	nformation	
Print ▼			
Company Name:			mine
Same Day			
Same Day Allow Same Day Origin	ation:	Y - Yes	•
•		Y - Yes N - No	· ·
Allow Same Day Origin			* *

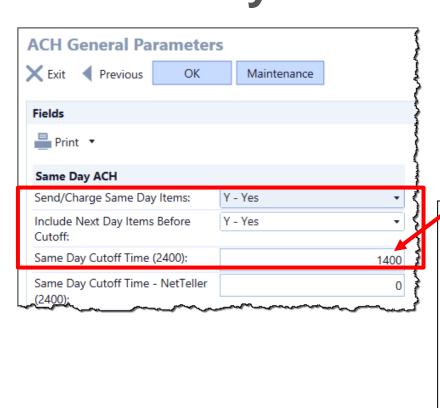
				9	
X Exit	Previous	OK	Maintenance	Delete	
ACH Com	pany File Ma	intenance In	formation		
Print	•				
Company	Name:			mine	
Same Day	у				
Allow Sam	ne Day Origin	ation:	N - No	-	
Use SD13	00/SD1700 to	identify	N - No	-	
Same-Day	r:				
A/A Same Counter:	Day Originat	ion Item			

ACH Company File Maintenance - Change

Scenario 4

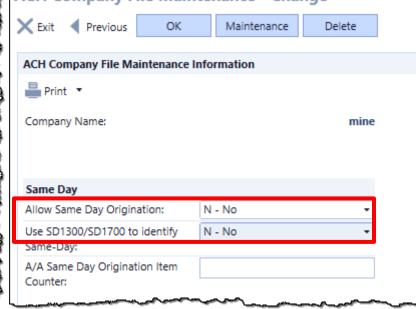
- Originate same day items for select companies and all next day items.
 - ACH origination changes
 - The system monitors for same day transactions and only includes same day items for companies with the company parameters defined.
 - Origination must be taken again after the SilverLake same day cutoff time to originate the companies with excluded same day items.

Scenario 4 – Same Day for Select Companies & **Next Day Items**



Originate again after this time to send same day items for the companies that were excluded.





New Reports

- AC3240P ACH Pre-Origination Same Day Items by Company
- AC5735P ACH Origination System Generated Offsets (End-of-Day)
- AC3140P Originated Same Day ACH Items Per Company
- AC7140P Originated Same Day ACH Items Per Company (Cumulative) (End-of-Day)



AC3140P, AC3240P, and AC7140P – ACH Origination Same Day Items by Company

DATE PRINTED: 8/10/16							
Daras DDA Test Bank #633 R2016		ACH	l Pre-Or:	igination Same Day	Items	by Company	
Effective Company	Company		SEC				Trace
Date Name	Descript Date	: T/C	Code	Account #/Tune		Amount	Number
8/31/16 A&B	SD1700	22	PPD	33	D	105.63	11320255001
8/31/16 A&B	SD1700	22	PPD	97	D	96.12	11320255001
8/31/16 A&B	SD1700	22	PPD	88	D	85.98	11320255001
Company Credit Count:	3 Company	Credit	Amount:	287	. 65	Company Debit	: Count :
8/22/16 B&G	SD1300	22	RCK	839	D	1,128.31	11320255001
8/22/16 B&G	SD1300	27	RCK	010		701.67	11320255001
8/22/16 B&G	SD1300	27	RCK	N 2424	D	819.47	11320255001
Company Credit Count:	1 Company	Credit	Amount:	امر ₁₂₈	. 31	Company Debit	: Count :
8/30/16 A	SD1300	27	PPD	388	D	128.72	11320255001
8/30/16 A	SD1300	27	PPD	555	D	119.63	11320255001
8/30/16 A	SD1300	27	PPD	111	D	111.44	11320255001
Company Credit Count:	0 Company	Credit	Amount:		.00	Company Debit	: Count :
8/30/16	SD1300	27	PPD	199	D	21,000.00	11320255001
8/30/16	SD1300	22	PPD	181	D		11320255001
Company Credit Count:	1 Company	Credit	Amount:	100	.00	Company Debit	: Count :



AC5735P – ACH Origination: System Generated Offsets (End-of-Day)

