Oracle Receivables Overview of AutoLockbox

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Document Intent: The intent of this paper is to give an overview of AutoLockbox and provide all the setups required to test Autolockbox.

Introduction

AutoLockbox is a service that commercial banks offer corporate customers to enable them to outsource their accounts receivable payment processing. AutoLockbox eliminates manual data entry by automatically processing receipts that are sent directly to your bank. You can also use AutoLockbox for historical data conversion. For example, you can use AutoLockbox to transfer receipts from your previous accounting system into Receivables. AutoLockbox ensures that the receipts are accurate and valid before transferring them into Receivables.

AutoLockbox is a three step process:

- 1. *Import:* During this step, Lockbox reads and formats the data from your bank file into interface table AR_PAYMENTS_INTERFACE_ALL using a SQL *Loader script.
- 2. Validation: The validation program checks data in this interface table for compatibility with Receivables. Once validated, the data is transferred into QuickCash tables (AR_INTERIM_CASH_RECEIPTS_ALL and AR_INTERIM_CASH_RCPT_LINES_ALL). At this point, you can optionally query your receipts in the QuickCash window and change how they will be applied before submitting the final step, Post QuickCash.
- 3. *Post QuickCash:* This step applies the receipts and updates your customer's balances.

These steps can be submitted individually or at the same time from the submit Lockbox Processing window. After you run Post QuickCash, Receivables treats the receipts like any other receipts, you can reverse and reapply them and apply any unapplied, unidentified, or on-account amounts.

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Importing Data from the data file provided by Bank

Bank File (Submit Import)

AR_PAYMENTS_INTERFACE_ALL (Submit Validation)

AR_INTERIM_CASH_RECEIPTS_ALL AR_INTERIM_CASH_RCPT_LINES_ALL (Submit Post Quickcash)

AR_CASH_RECEIPTS_ALL
AR_CASH_RECEIPT_HISTORY_ALL
AR_DISTRIBUTIONS_ALL
AR_RECEIVABLE_APPLICATIONS_ALL
AR_PAYMENT_SCHEDULES_ALL

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Setup

- ♦ Define Banks (Pg# 5)
 - ⇒ Define Remittance Bank with Account use Internal where checks from customer are deposited.
- ♦ Define Receipt Class (Pg# 8)
 - ⇒ Define a Receipt class to determine the required processing steps for receipts to which you assign payment methods with this class.
- ♦ Define Payment Methods (Pg# 8)
 - ⇒ Define a payment method with all receipt accounts.
- ♦ Define Receipt Source (Pg# 10)
 - ⇒ Define Receipt Batch Source and attach receipt class, payment method and remittance bank account information to the Receipt Source.
- ♦ Define Lockbox (Pg# 11)
 - ⇒ Define Lockboxes to use the Receivables Autolockbox program.
- ♦ Define Transmission Format (Pg# 15)
 - ⇒ Define the Transmission Format which Auto Lockbox uses when importing data into Receivables.
- ♦ Define AutoCash Rule Sets (Pg# 20)
 - ⇒ Define AutoCash Rule Sets to determine the sequence of rules that Post QuickCash uses to update Customer's account balances.
- ♦ Control file (Pg# 21)
 - ⇒ Create a control file which is used by SQL * Loader to import the data into interface table.
 - ⇒ Place this control file in the directory \$AR TOP/bin
 - ⇒ Extension of this file should be .ctl
- **♦** *Data file* (*Pg# 21*)

How AutoLockbox Identifies Customers for a Receipt

AutoLockbox can validate your customer data based on the following attributes . If no match is found, the receipt is imported as Unidentified receipt. This unidentified receipts can be identified and then applied from the Quick cash window or the receipt window.

- **1. Customer Number:** If you provide a customer number for receipts that you import through AutoLockbox, Receivables can identify the customer to which the receipt belongs.
- **2. MICR Number:** The MICR (Magnetic Ink Character Recognition) number that appears on each receipt relates the customer to a bank. Lockbox only uses MICR numbers to associate a customer with a receipt if both of the following are true:
 - 1. The customer number is not included in the transmission format
 - 2. The MICR number is passed

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A MICR number consists of two segments. The first segment is the Transit Routing number, this identifies the bank from which your customer draws their check. The second segment identifies your customer's account at that bank.

- **3. AutoAssociate:** If the customer cannot be identified from either the MICR number or the customer number (for example, if the transmission does not include this information), you can use AutoAssociate to determine the customer using matching numbers. A matching number can be a transaction number, consolidated billing invoice number, sales order number, purchase order number or another custom defined number.
- **4. Associate Receipts with Billing Locations:** Receivables also lets you track receipts for each of your customer's billing locations. To use this feature, you must include a billing location in your transmission format, data file and the flag Require Billing Location should be set to Yes. This option should be set to yes both at system options and at the setup of Lockbox. If the box is checked at the Lockbox, the receipt will be validated only if the billing location is provided. The setting at the system options level determines whether PostQuickCash can process receipts with / without billing locations.

How AutoLockbox Applies Receipts

If Lockbox is able to identify the customer for a receipt and the transaction number is provided, Lockbox applies the receipt to this transaction. If the transaction number is not provided and Autoassociate is set to Yes, Post QuickCash uses the matching rules defined for the customer site, customer or Lockbox to apply the receipt. The setting of Match Receipts By Option tells what type of matching number is passed in the transmission. If Matching Rules fail, Post QuickCash applies the receipt using the AutoCash rules set. If AutoCash rules also fail, Lockbox assigns the receipt a status of Unapplied.

If the transaction number is not provided and Autoassociate is set to No, Post QuickCash assigns the receipt a status of Unapplied.

Running AutoLockbox (Pg# 22)

Run AutoLockbox to submit your lockbox transmission processes and transfer payment information from your bank files into Receivables. You can import, validate, and run AutoLockbox all in one step, or perform the steps separately using the same window.

Maintain Transmission Data (Pg# 24)

Use the Lockbox Transmission Data window to delete and edit transmission data imported into Receivables from your bank using Lockbox. You can correct your lockbox data in this window for receipts that fail validation, then resubmit the validation step again .

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Remittance Bank

Banks (Vision Oper	ations)		
•	<u>G</u> o Folder Special <u>H</u> elp		
Bank		Bank Branch	
	Name PTOTABNK1	Name	PTOTABNKBRN1
Alterna	te Name	Alternate Name	
	Number	Number	P101
		Type	
Institution	Bank	▼ EDI ID Number	
Description	Internal Bank for Lockbox	EDI Location	
Inactive After		EFT Number]
Address	·		
Country [Jnited States		
Address	PNC	State	PA
		County	
		Postal Code	15265
City	PITTSBURGH	Alternate	
Province		Address	
	·	Related Banks	Bank Accounts
		100,000 0 0 0 0 0 0	

Nav => Setup => Receipts => Banks

Define Internal bank and bank accounts with Account Use as 'Internal'. This is the bank which sends the data file for lockbox transmission.

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Remittance Bank Account

	sion Operations: USD)				_ [5] ×
	Go Folder Special H	elp			
Bank Name	PTOTABNK1		Branch Name	PTOTABNKBRN1	
- Bank Accounts					
Name	PTOTABNKBRN1 P	102	Alternate Name		
Account Use	Internal		Account Type		
Number	P102		Check Digits		
Currency	USD		Inactive Date		
Description	Testing Lockbox			[]	
GL Accounts					
		GL Account	Do	escription	
	Cash	01-402-1110-2111-210		erations-East Region Sales-C	1
	Cash Clearing	<u>'</u>			
	Bank Charges				
	Bank Errors				
	Confirmed Receipts				
					_
		<u>P</u> ayables	Documents	<u>B</u> ank Codes	

Nav => Setup => Receipts => Banks Click on Bank Accounts. Alt Region: GL Accounts

Enter a cash account.

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Remittance Bank Account

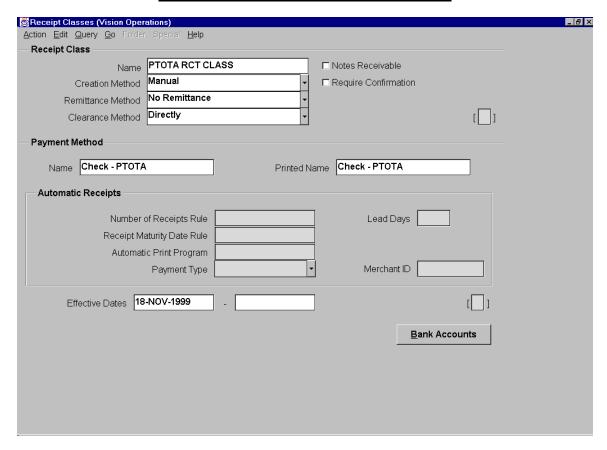
Bank Accounts (Vis	sion Operations: USD)				_ B ×
Action Edit Query	Go Folder Special L	<u>l</u> elp			
Bank Name	PTOTABNK1		Branch Nan	ne PTOTABNKBRN1	
Bank Accounts					_ V
Name	PTOTABNKBRN1 P	102	Alternate Nan	ne	
Account Use	Internal	-	Account Typ	ре	
Number	P102		Check Dig	its	
Currency	USD		Inactive Da	ate	
Description	Testing Lockbox				
Receivables Opt	ions	*			
		✓ Multiple Currency Receipts			
		GL Account	1	Description	
	Remitted Receipts	01-520-5360-0000-000	C	Operations-Manufacturing Plant	
	Factored Receipts	01-520-5370-0000-000	(Operations-Manufacturing Plant	
	Short Term Debt	01-520-5250-0000-000	(Operations-Manufacturing Plant	
			,		
		<u>P</u> ayables Docu	ments	<u>B</u> ank Codes	
					_

Nav => Setup => Receipts => Banks Click on Bank Accounts. Alt Region: Receivables Options

Enter GL Account information for Remitted Receipts, Factored Receipts, and Short Term Debit.

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Receipt Classes & Payment Methods



Nav => *Setup* => *Receipts* => *Receipt Classes*

Define Receipt classes to determine the required processing steps for receipts to which you assign payment methods with this class. Enter the Payment Method to assign to this receipt class.

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Assign Bank Account to Payment Method

Remittance Banks (Vision Operations)	- PTOTA RCT CLASS, Che	ck - PTOTA		_ B ×
Action Edit Query Go Folder Specia	<u>H</u> elp			_
Bank Name	PTOTABNK1	Branch Name	PTOTABNKBRN1	
Account Name	PTOTABNKBRN1 P102	Currency	USD	
Minimum Receipt Amount		Risk Elimination Days		
Clearing Days			☐ Override Bank	
Effective Dates	18-NOV-1999 _		✓ Primary	
GL Accounts				
Cash	01-402-1110-2111-210			
Receipt Confirmation				
Remittance				
Factoring				
Short Term Debt				
Bank Charges	01-520-5390-0000-000			
Unapplied Receipts	01-110-6100-0000-000			
Unidentified Receipts	01-840-7430-0000-000			
On Account Receipts	01-740-7610-0000-000			
Unearned Discounts	01-520-5360-0000-000			
Earned Discounts	01-520-5250-0000-000			
Description				[]1

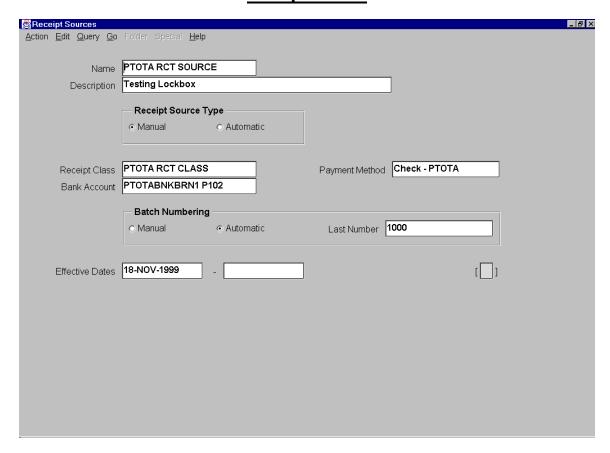
Nav => Setup => Receipts => Receipt Classes Enter payment method, click on Bank Accounts. Alt region: GL Accounts

Receivables uses payment methods to account for the receipt entries. One can assign multiple banks to each payment method, but only one bank account can be primary account for each currency.

Assign the payment method to the customer against whose invoice the receipt is going to be applied to.

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Receipt Source



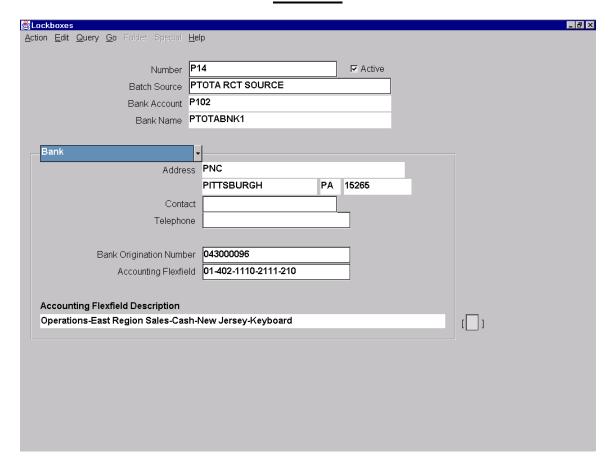
Nav => *Setup* => *Receipts* => *Receipt Sources*

Define receipt batch sources and assign the receipt class, payment method, and remittance bank account fields to this source.

- Receipt batch source type should be Manual.
- Receipt batch sources can use either automatic or manual batch numbering. (Should be Automatic Batch numbering if to be used for Lockbox process).

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Lockbox



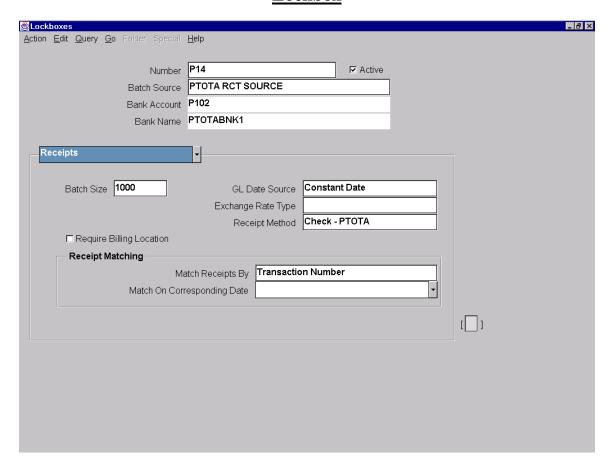
Nav => Setup => Receipts => Lockboxes => Lockboxes Alt region: Bank

Define Lockbox:

- Enter the lockbox Number provided by your bank.
- Enter the receipt Batch Source for this lockbox. You must enter a batch source that uses automatic numbering.
- Enter the Bank Origination Number provided by your bank. This number uniquely identifies the bank branch that sends you lockbox information.

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Lockbox



Nav => Setup => Receipts => Lockboxes => Lockboxes Alt region: Receipts

- Enter the Batch Size you want the Lockbox Validation program to assign to each receipt batch.
- Enter your GL Date Source. This can be -

Constant Date: Receivables uses the date you enter in the GL Date field of the Submit Lockbox Processing window.

Deposit Date: Receivables uses the date that your bank deposits your receipts. Import Date: Receivables uses the date on which you import your receipts.

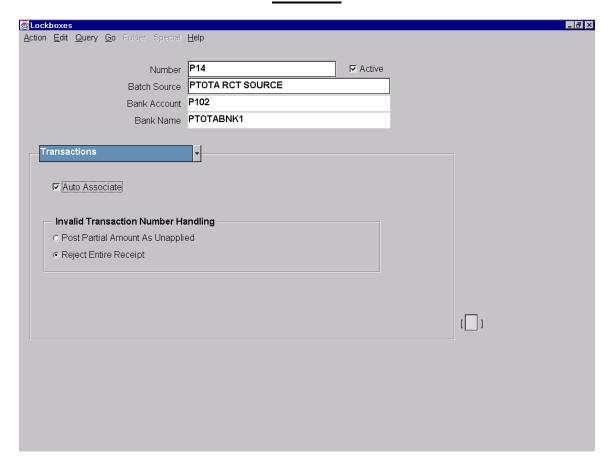
- If you are using this lockbox to transfer foreign currency receipts and you did not specify exchange rate type in the bank file, enter an Exchange Rate Type.
- Enter the Receipt Method to assign to this lockbox. The default is the payment method associated with the receipt batch source you entered.
- If you want AutoLockbox to be able to transfer receipts without billing locations into Receivables, uncheck the Require Billing Location check box. If this box is checked, AutoLockbox will only validate the receipt if the billing location is provided

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- Choose a Match Receipts By method. (If Autoassosciate is set to Yes)
 - 1) Transaction Number
 - 2) Consolidated Billing Number
 - 3) Sales Order
 - 4) Purchase Order
 - 5) Hook
- Choose whether to Match on Corresponding Date for transactions in this Lockbox transmission.
 - 1. Always: Always verify that the date for the transaction or other matched item is the same as the date specified in this transmission.
 - 2. Duplicates Only: Only verify that the matching date and the specified date are the same if duplicate matching number were found and Lockbox needs to determine which is correct.
 - 3. Never: Ignore the specified date. This is the default value.

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Lockbox



Nav => Setup => Receipts => Lockboxes => Lockboxes Alt region: Transactions

If the customer cannot be identified from either the MICR number or the customer number (for example, if the transmission does not include this information), you can use AutoAssociate to determine the customer using matching numbers.

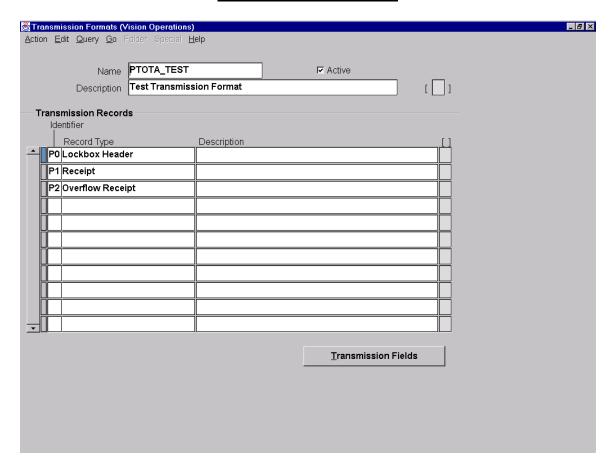
• Auto Associate: Check the AutoAssociate check box.

(Note: Ensure that all invoices to which any single receipt will be applied belong to the same customer. And also ensure that the matching numbers within the transmission are unique.)

- Choose how Lockbox will handle Invalid Transaction Number: If the receipt record is associated with multiple invoices, but one of the invoices is invalid. Depending on how you set this option, Lockbox will:
 - 1. Post Partial Amount as Unapplied: Apply the receipt to the valid transactions, then import the remaining receipt amount with a status of Unapplied.
 - 2. Reject Entire Receipt: Do not import the receipt (it will remain in the AR_PAYMENTS_INTERFACE table). You need to edit the invalid record(s) in the Lockbox Transmission Data window, then resubmit the Validation step for the receipt before Lockbox can import it into Receivables.

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Transmission Formats



Nav => *Setup* => *Receipts* => *Lockboxes* => *Transmission Formats*

Following are valid record types:

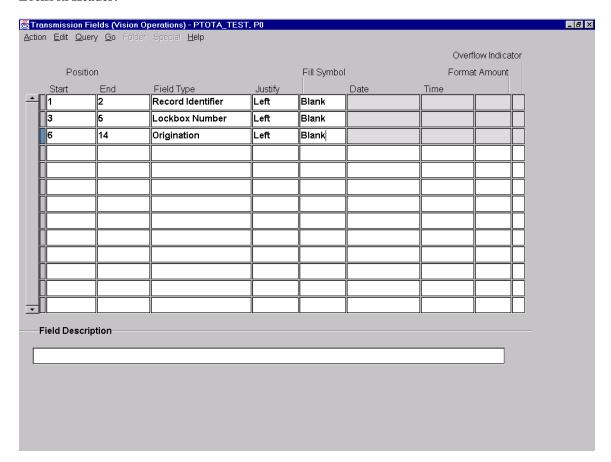
- 1. **Batch Header:** A Batch Header marks the beginning of a specific batch. Batch Headers usually contain information such as batch number, deposit date, and lockbox number.
- 2. **Batch Trailer:** A Batch Trailer marks the end of a specific batch. Batch Trailers usually contain information such as batch number, lockbox number, batch record count, and batch amount.
- 3. **Lockbox Header:** A Lockbox Header marks the beginning of a specific lockbox. Lockbox Headers usually contain information such as destination account and origination number.
- 4. **Lockbox Trailer:** A Lockbox Trailer marks the end of a specific lockbox. Lockbox Trailers usually contain information such as lockbox number, deposit date, lockbox amount, and lockbox record count.

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- 5. **Overflow Receipt:** An Overflow Payment usually contains invoice information for a specific payment such as batch number, item number, sequence number, overflow indicator, invoice number. This record stores additional receipt information that could not fit on the receipt record. Each Overflow record must have a receipt record as a parent.
- 6. **Receipt:** A Payment usually contains information such as MICR number, batch number, item number, check number, and remittance amount.
- 7. **Service Header:** Service Header records contain general information about your transmission.
- 8. **Transmission Header:** A Transmission Header marks the beginning of a specific data file. Transmission Headers usually contain information such as destination account, origination number, deposit date, and deposit time.

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Lockbox Header:

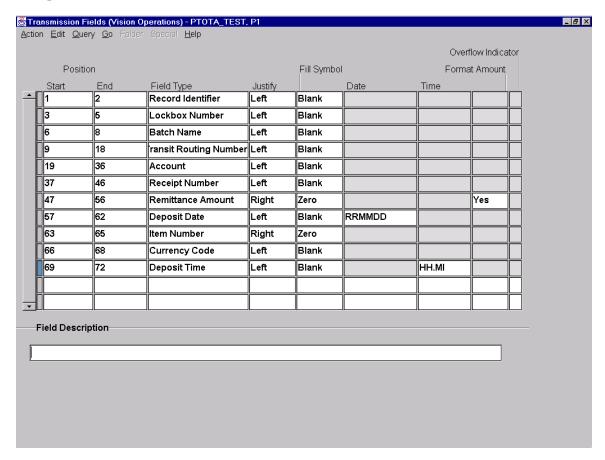


Nav => Setup => Receipts => Lockboxes => Transmission Formats Select a record type, click on Transmission Fields.

- Record Identifier: This identifies the kind of transmission record.
- Lockbox Number: The identification number for a specific lockbox.
- Origination: The bank origination number provided by your bank. This number uniquely identifies the bank branch that sends you lockbox information.

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Receipt Record:

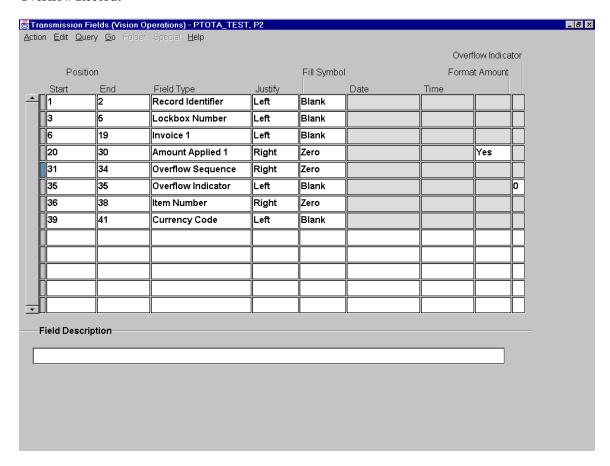


Nav => Setup => Receipts => Lockboxes => Transmission Formats Select a record type, click on Transmission Fields.

- Record Identifier: This identifies the kind of transmission record.
- Lockbox Number: The identification number for a specific lockbox.
- Batch Name: The name of the batch.
- Transit Routing Number: The number that uniquely identifies your customer's bank. The transit routing number and the customer account number make up your customer's MICR number.
- Account: Your customer's bank account.
- Receipt Number: The identification number of a payment.
- Deposit Date: The date the bank receives and deposits your customer's payment.
- Item Number: A sequence number that your bank assigns to a specific payment. This is unique for each receipt. And this number associates an invoice with a receipt.
- Currency Code: The currency of the payment.
- Deposit Time: The time at which the bank receives and deposits your customer's payment.

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Overflow Record:

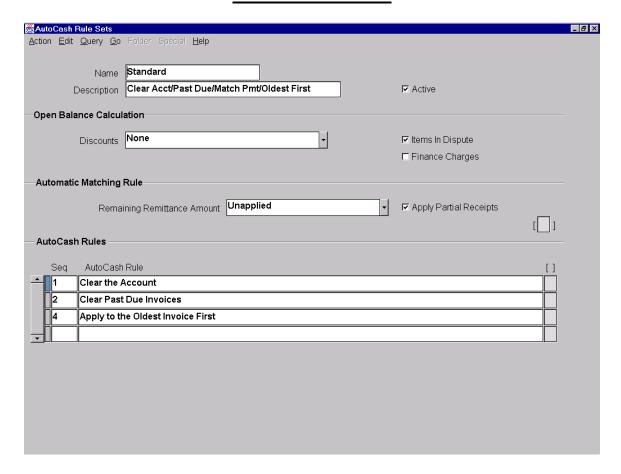


Nav => Setup => Receipts => Lockboxes => Transmission Formats Select a record type, click on Transmission Fields.

- Invoice 1 to 8: The invoices to which you apply your payment.
- Amount Applied 1 to 8: The amount applied to each of the invoices.
- Overflow Sequence: This is a sequential number to indicate the order of overflow record. Within each receipt, the overflow sequence usually begins with 1.
- Overflow indicator: This column indicates whether there are further overflow records for this receipt. The value is 0. That means, for any overflow record having this value as 0 indicates that there are further more overflow records associated with this receipt and if has non zero ex: 9 indicates that it is the last overflow record for that receipt.

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AutoCash Rule Sets



Nav => Setup => Receipts => AutoCash Rule Sets

Define AutoCash Rule Sets to determine the sequence of rules that Post QuickCash uses to update customer's account balances. If none of the AutoCash Rules apply, Receivables enters the remaining amount as either Unapplied or On-Account. (Based on the value for Remaining Remittance Amount).

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Sample Control File:

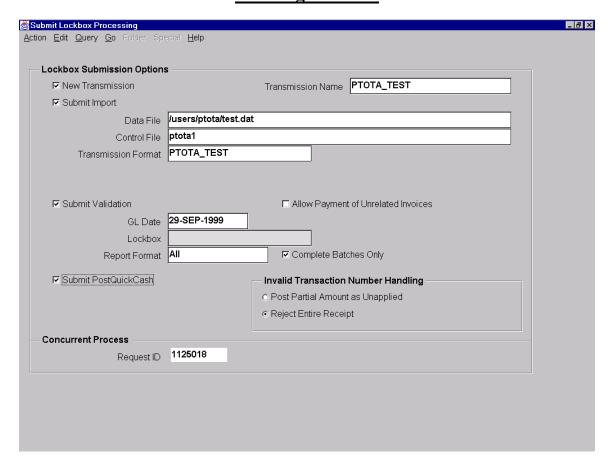
```
LOAD DATA
APPEND
-- Type P2 - Overflow Receipt
INTO TABLE AR_PAYMENTS_INTERFACE_ALL
WHEN RECORD TYPE = 'P2'
                              CONSTANT 'AR PLB NEW RECORD',
(STATUS
                              POSITION(01:02) CHAR,
RECORD TYPE
LOCKBOX NUMBER
                             POSITION(03:05) CHAR,
                             POSITION(06:19) CHAR,
INVOICE1
                             POSITION(20:30) CHAR,
AMOUNT APPLIED1
                            POSITION(31:34) CHAR,
OVERFLOW_SEQUENCE
                            POSITION(35:35) CHAR,
OVERFLOW_INDICATOR
 ITEM_NUMBER
                             POSITION(36:38) CHAR,
CURRENCY_CODE
                             POSITION(39:41) CHAR)
-- Type P1 - Payment
INTO TABLE AR PAYMENTS INTERFACE ALL
WHEN RECORD TYPE = 'P1'
                              CONSTANT 'AR PLB NEW RECORD',
(STATUS
                              POSITION(01:02) CHAR,
RECORD TYPE
LOCKBOX NUMBER
                              POSITION(03:05) CHAR,
BATCH NAME
                             POSITION(06:08) CHAR,
TRANSIT_ROUTING_NUMBER
                            POSITION(09:18) CHAR,
 ACCOUNT
                             POSITION(19:36) CHAR,
CHECK_NUMBER
                             POSITION(37:46) CHAR,
REMITTANCE_AMOUNT
                             POSITION(47:56) CHAR,
                             POSITION(57:62) DATE 'RRMMDD',
DEPOSIT_DATE
 ITEM_NUMBER
                             POSITION(63:65) CHAR,
CURRENCY_CODE
                             POSITION(66:68) CHAR,
DEPOSIT TIME
                             POSITION(69:72) CHAR)
-- Type P0 - Lockbox Header
INTO TABLE AR PAYMENTS INTERFACE ALL
WHEN RECORD TYPE = 'P0'
(STATUS
                              CONSTANT 'AR_PLB_NEW_RECORD',
RECORD_TYPE
                              POSITION(01:02) CHAR,
LOCKBOX_NUMBER
                              POSITION(03:05) CHAR,
ORIGINATION
                              POSITION(06:14) CHAR)
```

Sample Data File:

P0P14043000096		
P1P1400002130937	612955	20002914640005587025990901018USD2003
P2P142424068	0000102900000010	018USD
P2P142424069	0000066600000020	018USD
P2P142424070	0000072377500030	018USD
P2P142424071	0000100052500040	018USD
P2P142424072	0000132862500059	018USD

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Running Lockbox



Nav => *Interfaces* => *Lockbox*

Import:

- If you are importing a new bank file, check the New Transmission check box, then enter a new Transmission Name. If you are resubmitting an existing lockbox transmission, you can select a name from the list of values.
- Enter the name of the datafile along with path and extension.
- Enter the name of the control file with out extension. Make sure that the control file in \$AR_TOP/bin directory.
- Select the transmission Format from list of values.

Validation:

- Check the Submit Validation Check box.
- You must enter a lockbox number if Submit Validation is Yes and the lockbox number is not specified in your bank file.
- To apply receipts to transactions belonging to unrelated customers, check the Allow Payment of Unrelated Invoices check box.

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- If you defined your GL Date as 'Constant Date' in the Lockboxes window, you must enter a GL Date; if you specified a GL Date of 'Deposit Date' or 'Import Date', Receivables uses this as the GL date.
- Enter a Report Format. Enter 'All' to include all records processed in this transmission. Enter 'Rejects Only' to include only records that failed validation.
- To transfer only the lockbox batches in which all records pass the validation step to the QuickCash tables, check the Complete Batches Only check box. If you do not check this check box, Receivables will transfer any receipts within a batch that pass validation, even if others are rejected.

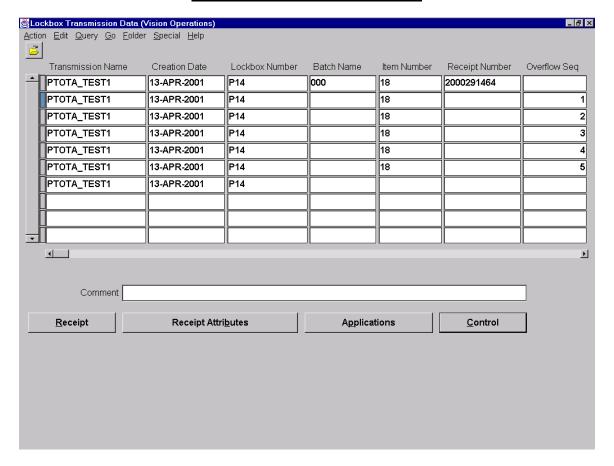
Post Quick Cash:

- To apply the receipts and update your Customer's balances, check Submit post QuickCash check box.
- Choose how lockbox should handle invalid transaction numbers.
 Post Partial Amounts as Unapplied or Reject Entire Receipt

Save your work. Receivables displays the Request ID of your concurrent process and generates the Lockbox Execution report.

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Maintain Transmission Data



Nav => Receipts => Lockbox => Maintain Transmission Data

Use the Lockbox Maintain Transmission Data window to delete and edit transmission data imported into Receivables from your bank using Lockbox. You can correct your lockbox data in this window for receipts that fail validation, then resubmit the validation step for these receipts. If the error is contained in the control, receipt, or application information, you can make changes to the invalid records by selecting the record, then choosing one of the following:

- Control: Choose this button to review the lockbox transmission control information that corresponds to this transmission record.
- Receipt: Choose this button to review and edit specific receipt information. You can change the values of fields that are included in your transmission format.
- Receipt Attributes: Choose this button to review and maintain receipt descriptive flexfield information imported with your lockbox transmission.

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Maintain Transmission Data

∰La	ckbox Applications (Visi	ion Operations) - PTOTA_TEST1	, [New]				_ A ×
Action Edit Query Go Folder Special Help							
			Matching Number Data				
				Installn	nent		
	Applied	Matching Number	Matching Date		Status		
1	1029000	2424068	iviatching Date	1	APP: ERROR Inva	lid matching r	
				1	7		
2				1		_	
3							
4				<u> </u>			
5				<u> </u>			
6							
7							
8							
		JL.		JI	J		
				Re	ceipt Currency Code	USD	

Nav =>Receipts => Lockbox => Maintain Transmission Data Select a record (Overflow record), click on Applications.

 Applications: Choose this button to review and maintain application information for each receipt within this transmission. Use the Status field to review errors for specific receipt applications.

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