

eChecks – Database Documentation

Entity

eChecks

The eChecks entity represents electronic payments issued through the Accounts Payable system to settle outstanding vendor obligations. eChecks function similarly to physical checks but are processed electronically through ACH or similar payment mechanisms. Each eCheck reduces the cash balance in the designated general ledger account and reduces the accounts payable liability associated with vendor invoices.

Related Entities

The eChecks entity is related to the following business entities:

- **Vendors**
eChecks are issued to vendors as payment for goods or services.
 - **Invoices**
eChecks are generated to settle vendor invoices.
 - **General Ledger Accounts**
eCheck payments reduce accounts payable balances and cash balances.
 - **Disbursement Batches**
Financial transactions generated when electronic payments are issued.
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Key Tables

CHK_RECONCILIATION

Table Description

The CHK_RECONCILIATION table stores all electronic payments issued through the Accounts Payable system. Although the table also supports physical checks, within the eChecks entity it serves as the primary record of electronic vendor payments.

Key Columns

- **CHECK_NUM_ALPHA**
Grouping mechanism for electronic payments.
- **CHECK_NUM_NUMERIC**
Unique payment number assigned to the eCheck.
- **CHECK_DTE**
Date the eCheck was issued.
- **CHECK_AMT**
Amount of the electronic payment after discounts.
- **CHECK_RTN_VOID_DTE**
Date the eCheck cleared or was voided.
- **PAYMENT_TYPE**
Type of payment issued.

Key Column Values (PAYMENT_TYPE)

- **C** – Physical check
- **E** – Electronic payment (eCheck)
- **CHECK_VOID_FLAG**
Indicates whether the eCheck was voided.

Key Column Values (CHECK_VOID_FLAG)

- **Y** – Yes
- **N** – No
- **VOID_DESCRIPTION**
Description of the void reason.

Other Important Columns

- **CHECK_DISCOUNT**
Discount applied before payment issuance.
- **ID_NUM**
Vendor identifier (foreign key to vendor records).

- **CHECK_NAME**
Payee name.
 - **ATTENTION_LINE**
Payee attention information.
 - **CHECK_ADDR_1, CHECK_ADDR_2, CHECK_ADDR_3**
Payee address lines.
 - **CHECK_CITY**
Payee city.
 - **CHECK_STATE**
Payee state.
 - **CHECK_ZIP**
Payee postal code.
 - **SUBSID_CDE**
Subsidiary payable ledger associated with the payment.
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Relationships to Other Tables

- **INVOICE_HEADER**
Joined using CHECK_NUM_ALPHA and CHECK_NUM_NUMERIC to identify invoices paid by the eCheck.
 - **CHK_NUM_ALPHA_CTL**
Joined using CHECK_NUM_ALPHA to identify the bank account used for payment.
 - **TRANS_HIST**
Joined using CHECK_NUM_ALPHA and CHECK_NUM_NUMERIC to identify financial transactions related to the payment.
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CHK_NUM_ALPHA_CTL

Table Description

The CHK_NUM_ALPHA_CTL table manages numbering and bank account configuration for electronic payments. It ensures unique numbering, proper bank account assignment, and general ledger integration for eCheck disbursements.

Key Columns

- **CHECK_NUM_ALPHA**
Identifier grouping electronic payments by prefix.
 - **BANK_ACCT_NUM**
Bank account associated with the payment prefix.
 - **NEXT_EPAY_NUMBER**
Next available electronic payment number.
 - **ACCOUNT_NUMBER**
General ledger cash account associated with the bank account.
 - **ALLOW_EPAYMENT**
Indicates whether electronic payments are permitted.
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Other Important Columns

- **ENDING_BALANCE**
Reconciled balance of the bank account.
 - **ENDING_DATE**
Most recent reconciliation date.
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Relationships to Other Tables

- **CHK_RECONCILIATION**
Links payments to bank account configuration.
 - **TRANS_HIST**
Provides general ledger transaction integration.
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INVOICE_HEADER

Table Description

The INVOICE_HEADER table stores vendor invoices that are eligible for electronic payment. It serves as the source of liability records that are settled through eCheck payments.

Key Columns

- **ID_NUM**
Vendor identifier.
 - **INVOICE_NUM**
Unique invoice identifier.
 - **CHECK_NUM_ALPHA**
eCheck prefix assigned after payment processing.
 - **CHECK_NUM_NUM**
Electronic payment number assigned after payment processing.
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Other Important Columns

- **CHECK_GRP_NUM**
Identifier used to group invoices into a single payment.
- **SUM_ON_CHECK_STUB**
Payment description appearing on remittance documentation.
- **INVOICE_DTE**
Invoice date.
- **SUBSID_CDE**
Subsidiary ledger associated with the invoice.
- **INVOICE_AMT**
Invoice amount.
- **INVOICE_DISCOUNT**
Discount amount.
- **INVOICE_STS**
Invoice posting status.

Key Column Values (INVOICE_STS)

- **U** – Unposted
 - **S** – Suspended
 - **C** – Posted
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Relationships to Other Tables

- **CHK_RECONCILIATION**
Links invoices to eCheck payments.
- **TRANS_HIST**
Connects invoice payments to financial postings.

TRANS_HIST

Table Description

The TRANS_HIST table stores the financial journal entries generated during eCheck processing. Each entry represents debit and credit postings associated with invoice payments.

Key Columns

- **SOURCE_CDE**
Transaction source identifier.

Key Column Values (SOURCE_CDE)

- **DB** – Disbursement transaction representing payment of accounts payable
- **IV** – Invoice transaction representing vendor obligation
- **GROUP_NUM**
Journal entry group identifier.
- **TRANS_KEY_LINE_NUM**
Sequence number within the journal entry.
- **TRANS_DATE**
Transaction date.
- **TRANS_AMT**
Total payment amount.
- **ENCUMB_GL_TRANS_ST**
Journal entry status.

Key Column Values (ENCUMB_GL_TRANS_ST)

- **U** – Unposted

- **S** – Suspended
 - **C** – Posted
 - **Y** – Month closed
 - **H** – Year closed
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Other Important Columns

- **ID_NUM**
Vendor identifier associated with the payable transaction.
 - **CHECK_NUM_ALPHA**
Payment prefix when a single payment is processed.
 - **CHECK_NUM_NUM**
Payment number when a single payment is processed.
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Relationships to Other Tables

- **CHK_RECONCILIATION**
Links financial transactions to electronic payments.
 - **INVOICE_HEADER**
Connects invoice liabilities to payment transactions.
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AP_MASTER_EPAY_ACCT

Table Description

The AP_MASTER_EPAY_ACCT table defines vendor eligibility and configuration for electronic payments. It controls whether vendors can receive eChecks and defines the banking information required for payment processing.

Key Columns

- **EPAY_CDE**
Bank account type for electronic payment.

Key Column Values (EPAY_CDE)

- **22** – Checking
- **32** – Savings
- **EPAY_STS**
Status of the electronic payment configuration.

Key Column Values (EPAY_STS)

- **A** – Active
 - **I** – Inactive
 - **F** – Future
 - **BEGIN_DTE**
Start date for payment eligibility.
 - **END_DTE**
End date for payment eligibility.
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Other Important Columns

- **USER_COMMENT**
User-entered notes.
- **ID_NUM**
Vendor identifier.
- **SUBSID_CDE**
Subsidiary code used during payment processing.
- **BANK_ACCT_NUM**
Vendor bank account number (regulated data).
- **BANK_ID**
Bank routing number.
- **ACCOUNT_TYPE**
Bank account description.
- **US_BANK**
Indicates whether the bank is US-based.

Values:

- **Y** – Yes
 - **N** – No
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Relationships to Other Tables

- **INVOICE_HEADER**
Determines which vendors are eligible for electronic payment.
 - **CHK_RECONCILIATION**
Supports payment processing eligibility.
 - **TRANS_HIST**
Supports financial posting of payments.
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