

Banner Finance Release Guide

*Release 7.4.2
October 2009*

The logo features a black and white photograph of a person's hands writing on a notepad, positioned on the left side of a horizontal bar. The bar is divided into three sections: a black section containing the word 'SUNGARD' in white, a blue section containing the words 'HIGHER EDUCATION' in white, and a grey section on the right.

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International ACH Transactions - Functional



IAT (International ACH Transaction) is a new format required after September 18, 2009 for processing certain direct deposit transactions through the Automated Clearing House (ACH) in the U.S. The Banner® IAT enhancement supports the processing of ACH payments to recipients who have an initial banking destination in the U.S. and a secondary destination outside the U.S. This enhancement is intended for U.S. institutions that use ACH processing in Banner Finance.

Background

New regulations from the Office of Foreign Assets Control (OFAC) affect certain IATs. Under the new rules, an ACH payment directed to a domestic bank account might be classified as an outgoing international payment if the recipient arranged to automatically transfer the direct deposit to a foreign bank account. Such a payment is treated as an international transaction even if the funds are transferred outside the U.S. without the knowledge of the originator of the payment. The new regulations require originators to use the new IAT format to supply additional information for screening the ACH transaction.

You should familiarize yourself with the new IAT regulations and take appropriate measures to meet your obligation for ACH payments. You should consider legal guidance to comply with all federal laws regarding domestic ACH payment activity, including payments that may be forwarded internationally without your knowledge.

Banner continues to support two non-IAT formats for ACH transactions:

- The PPD format is used for Accounts Payable person vendors and Payroll.
- The CTX format is used for Accounts Payable corporate vendors.

Payments with PPD and CTX formats continue to function unchanged after the IAT payment format is added. The upgrade is not required to continue ACH payments with PPD and CTX formats after September 18, 2009.

Prerequisites

Banner General 7.6.1 is required for processing IATs directed to U.S. domestic bank accounts in U.S. dollars.

Additional documentation

This document describes the Banner Finance objects that support IAT processing. Refer to the *Banner General 7.6.1 Release Guide* for more information on IAT processing, the Banner General objects that support IAT processing, and the tasks used to set up and use IAT processing.

Changed forms

This section describes the form changes that support IAT processing.

Invoice/Credit Memo Form (FAAINVE)

FAAINVE is used to create invoices and credit memos. The following new fields support IAT processing:

Field	Description
IAT	<p>Check box that indicates whether direct deposits for this vendor address require the IAT format. Defaults from the vendor's direct deposit information, which is defined for the applicable bank account on the Direct Deposit Recipient Form (GXADIRD). Display-only.</p> <p><i>selected</i> ACH direct deposits use the IAT format.</p> <p><i>cleared</i> ACH direct deposits do not use the IAT format.</p>
ACH Transaction Type	<p>ACH transaction type used with invoice payments to this bank account.</p> <p>If the IAT check box is selected, the following applies:</p> <ul style="list-style-type: none"> • The ACH transaction type is required. (The exception is invoices generated by FURAPAY because Accounts Receivable refunds are generally not processed manually on FAAINVE.) • The ACH transaction type defaults from the vendor's direct deposit information, which is defined on the Direct Deposit Recipient Form (GXADIRD). (The exception is invoices generated by FURAPAY, in which case the vendor's default is not used.) • The ACH transaction type can be changed for any individual invoice payment. • The ACH transaction type must be three characters. <p>LIST - Transaction Type Validation (GTVACHT)</p>

Invoice/Credit Menu Query Form (FAINVE)

FAINVE is used to query a specific invoice or credit memo. The following new fields support IAT processing:

Field	Description
IAT	Check box that indicates whether direct deposits for this vendor address require the IAT format. Defaults from the vendor's direct deposit information, which is defined for the applicable bank account on the Direct Deposit Recipient Form (GXADIRD). Display-only. <i>selected</i> ACH direct deposits use the IAT format. <i>cleared</i> ACH direct deposits do not use the IAT format.
ACH Transaction Type	ACH transaction type used with invoice payments to the bank account. Display-only.

Changed reports and processes

This section describes the report and process changes that support IAT processing.

Direct Deposit File Creation Process (FAPDIRD)

FAPDIRD was updated to process Accounts Payable IATs. If a recipient's direct deposit bank account is flagged as IAT on the Direct Deposit Recipient Form (GXADIRD), FAPDIRD creates an IAT entry rather than a PPD or a CTX entry.

Note

The ACH recipient is currently selected as the check vendor for an invoice whenever a check vendor exists. This remains the same for IAT processing.

For a payment to a corporate vendor, FAPDIRD also creates a CTX remittance entry. The IAT entry includes the total payment amount. The CTX entry corresponding to the IAT includes a zero payment amount and lists remittance information for the individual invoices being paid. This functionality helps you meet IAT regulatory requirements and also provides current CTX remittance details.

FAPDIRD processes person vendors first, followed by corporate vendors.

- For person vendors, FAPDIRD generates a separate IAT batch for each ISO country code being processed, followed by a PPD batch.
- For corporate vendors, FAPDIRD generates a separate IAT batch for each ISO country code being processed, followed by a CTX batch, followed by a batch of CTX entries related to the IATs.

FAPDIRD edits IATs to ensure that all mandatory fields are complete before transactions are written to the direct deposit tape file. Error messages are written to the .log file and must be corrected before the direct deposit transactions are written to the .lis file. Refer to *Banner General 7.6.1 Release Guide* for a description of the error messages.

 **Note**

All IATs must be error-free before FAPDIRD creates the ACH deposit tape. The .lis file is empty if there are errors. ■

IAT entries contain the following information:

Information	Source
Country code	ISO country code defined on GXADIRD for the bank account associated with the recipient's address.
Address	<p>Recipient's address, which is determined as follows.</p> <p>First preference uses the address type and address sequence on GXADIRD to retrieve the recipient's address. An error occurs if the retrieved address is inactive or incomplete.</p> <p>If the address type and address sequence fields on GXADIRD are blank, a default address type on GTVSDAX is used to retrieve the recipient's address. The largest invoice in the direct deposit remittance determines which default is used:</p> <ul style="list-style-type: none"> • If the largest invoice is an Accounts Receivable refund (origin code equals FURAPAY), then the ARIATADDR address hierarchy on GTVSDAX is used to retrieve the recipient's address. • If the largest invoice is <i>not</i> an Accounts Receivable refund (origin does <i>not</i> equal FURAPAY), then the APIATADDR address hierarchy on GTVSDAX is used to retrieve the recipient's address. <p>In either case, the first active address for the selected address type is retrieved. An error occurs if the addresses are inactive or incomplete.</p> <p>If the GXADIRD fields are blank and a GTVSDAX default does not exist, the check vendor address is used. If there is no check vendor address, the vendor address is used. No error occurs if the check vendor address or vendor address is inactive.</p>

Information	Source
ACH transaction type	<p data-bbox="712 258 1377 321">ACH transaction type for the largest invoice in the direct deposit remittance.</p> <p data-bbox="712 348 1377 411">For an Accounts Payable invoice, this is the transaction type on the invoice.</p> <p data-bbox="712 438 1377 667">For an Accounts Receivable refund, the first preference uses the transaction type on the invoice. If the transaction type is blank, then the ARACHTRAN default on GTVSDAX is used. If the invoice transaction type is blank and the GTVSDAX default is not defined, then transaction type defined on GXADIRD is used. An error occurs if a transaction type is not defined on GXADIRD.</p>

Invoice Selection Report (FARINVS)

FARINVS is used to preview Accounts Payable direct deposits. The following changes support IAT processing:

- A new report column flags IAT direct deposits.
- A new total shows the number of IAT direct deposit vendors.

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International ACH Transactions - Technical



This section describes the technical enhancements that support the new IAT (International ACH Transaction) format used to process certain direct deposit transactions through the Automated Clearing House (ACH) in the U.S.

Changed table

The Invoice Header Table (FABINVH) contains the following new field:

Field	Size	Type
FABINVH_ACHT_CODE	8	VARCHAR2

Changed package

A new function (`f_get_vend_direct_deposit`) retrieves the vendor's recipient direct deposit information from GXRDIRD, which includes the new IAT information. This function was added to the following scripts:

```
fokb_common0.sql  
fokb_common1.sql
```

Changed APIs

The ACH transaction type column was added to the following APIs. The validation logic for the ACH transaction type was added to `fb_invoice_header_rules`. The validation code is in the `fakb_invhead_r1.sql` file.

fb_invoice_header	fakb_invhead0.sql fakb_invhead1.sql
fb_invoice_header_rules	fakb_invhead_r0.sql fakb_invhead_r1.sql
fb_invoice_header_strings	fakb_invhead_s0.sql fakb_invhead_s1.sql
dml_fabinvh	fokd_fabinvh0.sql fokd_fabinvh1.sql

The fakp_invoice1.sql API was also modified. The FURAPAY value was added to the fabinvh_origin_code database column for invoices generated by the FURAPAY process.

New script

The finsfcmp2.sh/bat/txt script recompiles the following forms to pull in the revised API signature for the fb_invoice_header API:

FAAPAYC	Payment Control Form
FAARUIV	Recurring Payables Form
FOAAINP	Document Approval Form
FOADOCU	Document by User Form
FOAUAPP	User Approval Form
FPARRIM	Receipt Required Indicator Form