

76. LOAD PLINVOICE - REVISION 002

76.0 Overview

This chapter describes the Business Service Request named LOAD PLINVOICE, the Verb being LOAD and the Noun being PLINVOICE indicating a not yet approved for payment purchase ledger invoice or debit memo.

In certain application suites, purchase order / invoice matching functionality exists in the purchasing application, while in other suites this functionality exists in the accounts payable application.

The invoice matching process may include several document types, including the following:

- Two way match - Purchase Order and the Invoice
- Three way match - Purchase Order, Invoice, and the Receipt
- Four way match – Purchase Order, Invoice, Receipt, and Inspection results

Note: For the four way match, it is assumed that inspection results have been updated on the Purchase Order for visibility in matching.

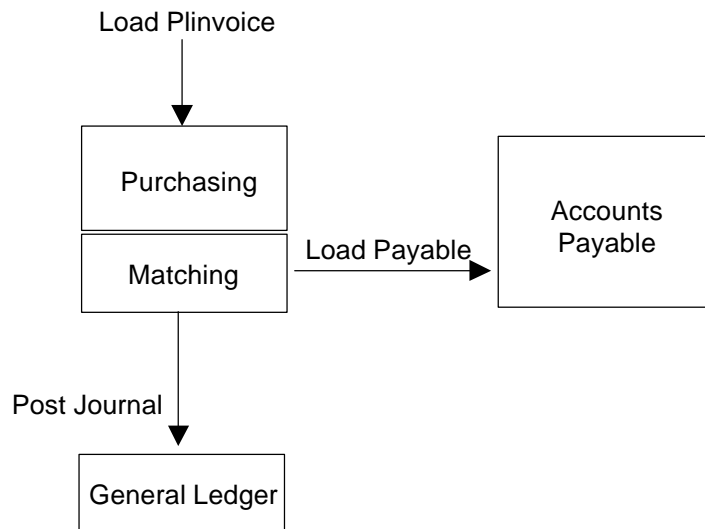
When matching takes place in the purchasing application, the accounts payable application may have to inform the purchasing application of the unapproved supplier invoice to which purchasing transactions (purchase orders, goods receiving notes and inspection tickets) are to be matched if the invoice is initially entered into the accounts payable application. Note that in some situations, invoices are entered directly into the purchase order application or are created by the purchase order application when using evaluated receipt settlement (ERS) and in this instance, it is not necessary to perform the separate integration described in these chapters.

The purpose of the LOAD PLINVOICE Business Object Document is to transmit data to create an unapproved open item in either a payables application or a purchasing application.

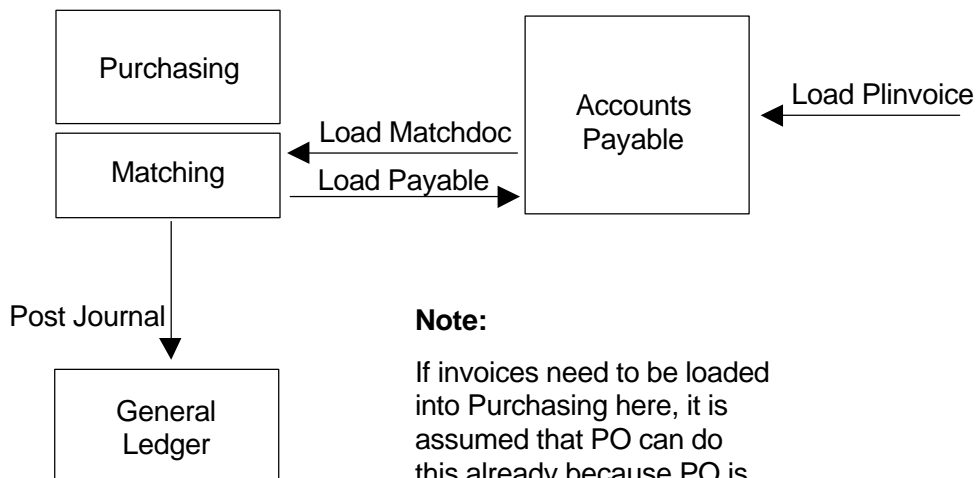
The scope of the LOAD PLINVOICE indicates that the supplier's invoice has not yet been approved and the invoice is to be used as part of the invoice matching process.

OAGIS has already defined the scenario for invoices that are approved for payment in a separate Business Service Request, namely LOAD PAYABLE.

In the model below, invoice matching functionality exists in the purchasing application and the invoice is entered into purchasing.



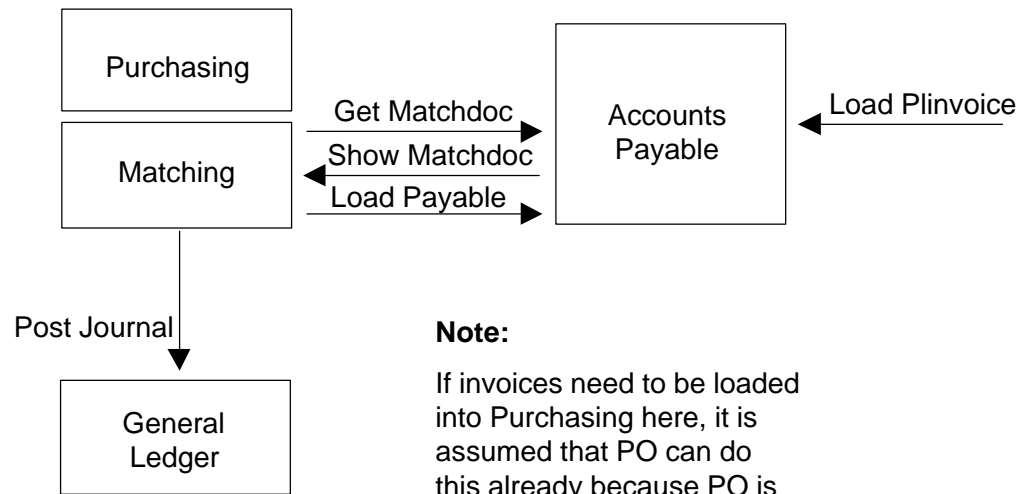
In the model below, invoice matching functionality exists in the purchasing application, the invoice is entered into accounts payable, and accounts payable publishes invoice information to which purchasing subscribes.



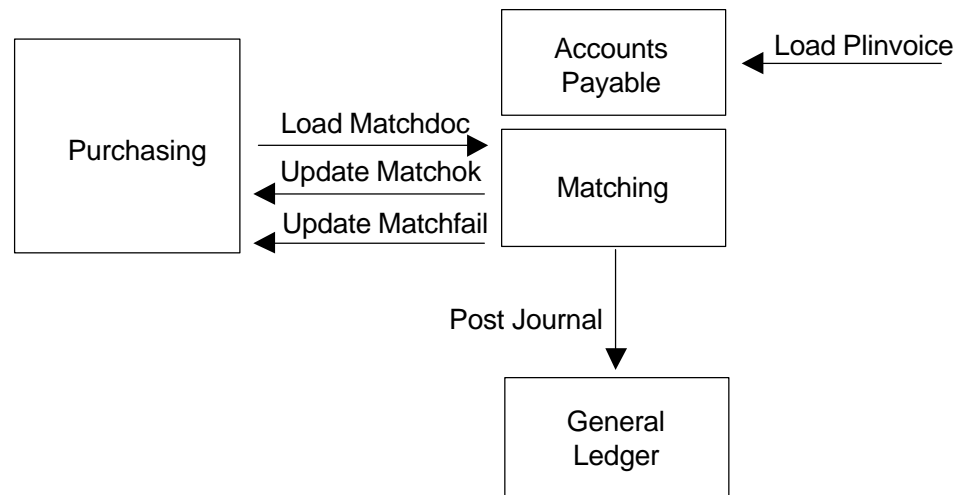
Note:

If invoices need to be loaded into Purchasing here, it is assumed that PO can do this already because PO is built to do matching.

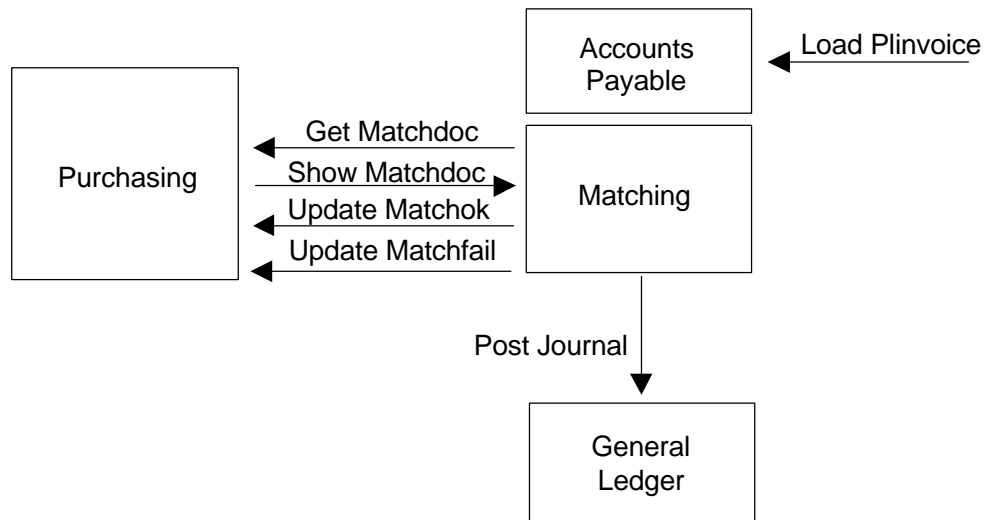
In the model below, invoice matching functionality exists in the purchasing application, the invoice is entered into accounts payable, purchasing requests invoice information and accounts payable provides invoice information.



In the model below, invoice matching functionality exists in the accounts payable application, the invoice is entered into accounts payable, and purchasing publishes matching document information to which accounts payable subscribes.



In the model below, invoice matching functionality exists in the accounts payable application, the invoice is entered into accounts payable, purchasing requests matching document information and accounts payable provides matching document information.

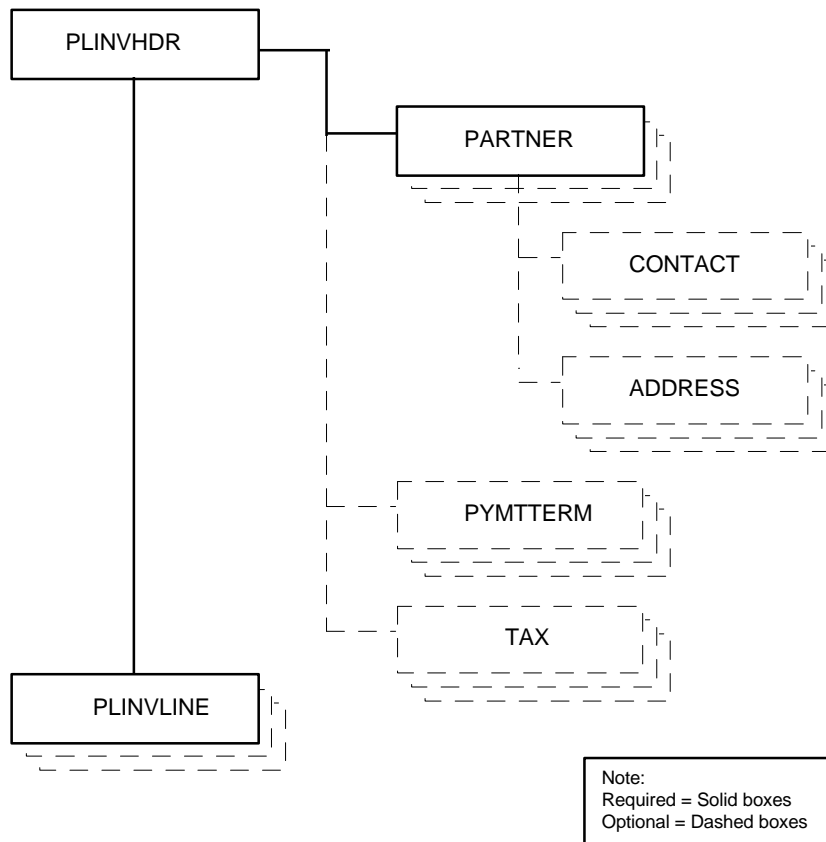


When matching takes place in the purchasing application the previously defined LOAD PAYABLE is used to post approved invoices to the accounts payable. The previously defined POST JOURNAL is used to post variances to the general ledger.

These integration scenarios have been developed for document matching to occur at the line level within the PO document and the Invoice document. This may be a one to one relationship, or it may be a many to one relationship from Invoice to PO or from the PO to the Invoice. Charges not associated with a specific Invoice line match be matched individually.

76.1 LOAD PLINVOICE

The LOAD PLINVOICE Business Object Document consists of the following Data Types:



The Business Service Request LOAD PLINVOICE uses the following Data Types:

1. **PLINVHDR** - Information that applies to the entire unapproved invoice document. This Data Type is required.
2. **PARTNER** - Partner information such as payment method or currency. The **SUPPLIER** partner is mandatory. The **REMITTO PARTNER** Data Type is optional.
3. **ADDRESS** - Partner location information. The **ADDRESS** is optional.
4. **CONTACT** - Name, telephone and other information to contact people associated with the **PARTNER**. The **CONTACT** Data Type is optional.
5. **PYMTTERM** - Payment terms for the invoice. The **PYMTTERM** Data Type is optional.
6. **TAX** - Tax information for the document. The **TAX** Data Type is optional.
7. **PLINVLIN** - This Data Type represents lines on the invoice document. Invoice lines or credit memo lines are examples of a **PLINVLIN**. At least one occurrence of the **PLINVLIN** Data Type must be present for each occurrence of the **PLINVHDR** Data Type.

76.2 PLINVHDR

The Data Type, "PLINVHDR", is the first of several Data Types the Business Service Request "LOAD PLINVOICE" uses. For each invoice document represented in the Business Data Area, there must only be one occurrence of the PLINVHDR Data Type.

Listed are all the Field Identifiers and Segments that are valid for use within the PLINVHDR Data Type. The first table represents required data.

REQUIRED PLINVHDR DATA	
NAME	APPENDIX
AMOUNT(DOCUMENT)(T)	D
DATETIME(DOCUMENT)	D
GLENTITYS	C
ORIGREF	C

Processing Note: The ORIGREF field represents the voucher or unapproved invoice identifier.

The second table describes data that is optional.

OPTIONAL PLINVHDR DATA	
NAME	APPENDIX
ACCTPERIOD	C
ACCTYEAR	C
AMOUNT(DOCUMENT)(F)	D
DATETIME(ACCOUNTING)	D
DESCRIPTN	C
DOCTYPE	C
LEDGER	C
PAYMETHOD	C
REF1 - REF999	C
REMITTANCE	C
USERAREA	C
USERID	C
VOUCHER	C

76.3 PARTNER

The Data Type "**PARTNER**" represents the business partner. Several examples of PARTNER are those business partners that products are sold to, bought from, or delivered by. For each PLINVHDR, there must be at least one occurrence of the PARTNER Data Type. Listed are all the Field Identifiers and Segments that are valid for use within the PARTNER Data Type.

The first table represents required data.

REQUIRED PARTNER DATA	
NAME	APPENDIX
PARTNRID	C
PARTNRTYPE	C

The second table describes data that is optional.

OPTIONAL PARTNER DATA	
NAME	APPENDIX
CURRENCY	C
DESCRIPTN	C
NAME1 - NAME9	C
ONETIME	C
TAXEXEMPT	C
TAXID	C
USERAREA	C

Processing Note: Optional PARTNER data is typically only used for one-time business partners or as overrides for this specific transaction.

76.4 ADDRESS

The Data Type “**ADDRESS**” represents the data concerning the location of the business partner. For each PARTNER of the LOAD PLINVOICE, there can be multiple occurrences of the ADDRESS Data Type. Listed are all the Field Identifiers and Segments that are valid for use within the ADDRESS Data Type. All data for the ADDRESS Data Type is optional.

OPTIONAL ADDRESS DATA	
NAME	APPENDIX
ADDRLINE1 - ADDRLINE9	C
ADDRTYPE	C
CITY	C
COUNTRY	C
COUNTY	C
DESCRIPTN	C
FAX1 - FAX9	C
POSTALCODE	C
REGION	C
STATEPROVN	C
TAXJRSCTN	C
TELEPHONE1 - TELEPHONE9	C
URL	C
USERAREA	C

76.5 CONTACT

The Data Type “**CONTACT**” represents people associated with the PARTNER and various ways to contact them, such as telephone or fax. The CONTACT is an optional Data Definition Area. Listed are all the Field Identifiers and Segments that are valid for use within the CONTACT Data Type.

The first table represents required data.

REQUIRED CONTACT DATA	
NAME	APPENDIX
NAME1	C

The second table describes data that is optional.

OPTIONAL CONTACT DATA	
NAME	APPENDIX
CONTCTTYPE	C
DESCRIPTN	C
EMAIL	C
FAX1 - FAX9	C
NAME2 - NAME9	C
TELEPHONE1 - TELEPHONE9	C
USERAREA	C

76.6 PYMTTERM

The Data Type “**PYMTTERM**” represents the payment due dates and payment discount information. The PYMTTERM is an optional Data Definition Area for the LOAD PLINVOICE. Listed are all the Field Identifiers and Segments that are valid for use within the PYMTTERM Data Type. Although all these attributes are optional, the data other than the TERMID is typically sent as overrides for this specific transaction against any previously established payment terms indicated by the TERMID.

OPTIONAL PYMTTERM DATA	
NAME	APPENDIX
AMOUNT(DISCNT1-9)(T)	D
AMOUNT(DISCNT1-9)(F)	D
DATETIME(DISCNT1-9)	D
DATETIME(DUE)	D
DATETIME(PYMTTERM)	D
DESCRIPTN	C
TERMID	C
USERAREA	C

76.7 TAX

The Data Type, "**TAX**", will contain any tax information such as the taxable amounts and the tax codes. The TAX is an optional Data Definition Area for the LOAD PLINVOICE and is used to summarize tax amounts across all PLINVLIN's. The TAX Data Type is used to summarize tax information that is reported elsewhere in the PLINVLIN Data Definition Area. The principal intent of this data type is for use as a memo item. Listed are all the Field Identifiers and Segments that are valid for use within the TAX Data Type.

The first table represents required data.

REQUIRED TAX DATA	
NAME	APPENDIX
AMOUNT(TAX)(T)	D

The second table describes data that is optional.

OPTIONAL TAX DATA	
NAME	APPENDIX
AMOUNT(TAX)(F)	D
AMOUNT(TAXBASE)(F)	D
AMOUNT(TAXBASE)(T)	D
DESCRIPTN	C
TAXCODE	C
USERAREA	C

76.8 PLINVLIN

The Data Type “**PLINVLIN**” represents the detail lines of the invoice document. At least one PLINVLIN is required for each PLINVHDR. Listed are all the Field Identifiers and Segments that are valid for use within the PLINVLIN Data Type. Typically, there will be at least two occurrences given the common accounting rule of every debit requiring an equally balancing credit.

The first table represents required data.

REQUIRED PLINVLIN DATA	
NAME	APPENDIX
AMOUNT(EXTENDED)(T)	D
GLNOMACCT	C
INVLINENUM	C

Processing Note: The accumulation of all the PLINVLIN AMOUNT(EXTENDED)(T) must balance. Balance, in the accounting use of the term, means that the total debits must equal the total credits. If functional amounts are also reported, i.e. AMOUNT(EXTENDED)(F), these functional amounts must also balance. Also note that the AMOUNT(EXTENDED)(T) is not tax inclusive. This implies that if the LOAD PLINVOICE includes tax amounts, then additional PLINVLIN instances will report those tax amounts.

The second table describes data that is optional.

OPTIONAL PLINVLIN DATA	
NAME	APPENDIX
AMOUNT(EXTENDED)(F)	D
AMOUNT(TAXBASE)(F)	D
AMOUNT(TAXBASE)(T)	D
BUSNAREA	C
CHARGEID	C
COSTCENTER	C
DEPARTMENT	C
DESCRIPTN	C
DIVISION	C
ELEMENT1 - ELEMENT999	C
EMPCATEGORY	C

OPTIONAL PLINVLIN DATA	
NAME	APPENDIX
EMPLOYEEID	C
FUND	C
GEOGRAPHY	C
GLENTITYD	C
ITEM	C
ITEMTYPE	C
OPENITEM	C
OPERAMT(UNIT)(F)	D
OPERAMT(UNIT)(T)	D
POID	C
PORELEASE	C
PRODLTLINE	C
PRODORDID	C
PROFITCTR	C
PROJACTVTY	C
PROJECT	C
PROJRESEL1 - PROJRESEL9	C
QUANTITY(ITEM)	D
REF1 - REF999	C
TAXCODE	C
TAXLINE	C
TAXWHEXMPT	C
UNIT	C
UPC	C
USERAREA	C
WAREHOUSE	C
WORKORDER	C