

## Z77 – INVOICE HEADER (GENERAL INVOICE)

An invoice is a composite of two tables:

- Z77 - invoice header, general invoice information
- Z75 - line item on an invoice

Up to 99,999 Z75 records can be related to a Z77 record. The connection between the two is the Z75-VENDOR-CODE and Z75-INVOICE-NUMBER, which match with Z77-VENDOR-CODE and Z77-INVOICE-NUMBER fields. There can be a Z77 record without related Z75 records, but a Z75 record *MUST* have an associated Z77 record.

In the following table, (X) denotes an alphanumeric field and (9) denotes a numeric field. All alphanumeric fields are left-aligned with trailing spaces; all numeric fields are right-aligned with leading zeroes. Decimal positions are indicated by the symbol V. The total number of decimal digits is designated by the number of nines following the V. Note that the decimal point is not stored in the field (for example, if the field definition is 9(4)V99, then 1000 = 10.00).

02	Z77-REC-KEY.	
03	Z77-VENDOR-CODE	PICTURE X(20).
03	Z77-INVOICE-NUMBER	PICTURE X(15).
02	Z77-ORIG-INVOICE-NUMBER	PICTURE X(15).
02	Z77-I-TYPE	PICTURE X(3).
02	Z77-I-STATUS	PICTURE X(3).
02	Z77-I-CREDIT-DEBIT	PICTURE X(1).
02	Z77-I-CURRENCY	PICTURE X(3).
02	Z77-I-CURRENCY-RATIO	PICTURE 9(12).
02	Z77-I-NET-AMOUNT	PICTURE 9(12)V99.
02	Z77-I-SHIP-AMOUNT	PICTURE 9(12)V99.
02	Z77-I-OVER-AMOUNT	PICTURE 9(12)V99.
02	Z77-I-INSU-AMOUNT	PICTURE 9(12)V99.
02	Z77-I-DISC-AMOUNT	PICTURE 9(12)V99.
02	Z77-I-TOTAL-AMOUNT	PICTURE 9(12)V99.
02	Z77-I-DATE	PICTURE 9(8).
02	Z77-I-REC-DATE	PICTURE 9(8).
02	Z77-I-SHIP-DATE	PICTURE 9(8).
02	Z77-I-NOTE	PICTURE X(60).
02	Z77-I-NO-ITEM	PICTURE 9(4).
02	Z77-P-DATE	PICTURE 9(8).
02	Z77-P-CHECK-NO	PICTURE X(15).
02	Z77-P-AMOUNT	PICTURE 9(12)V99.
02	Z77-P-STATUS	PICTURE X(1).
02	Z77-VAT-CODE	PICTURE X(5).
02	Z77-VAT-AMOUNT	PICTURE 9(12)V99.

02	Z77-VAT-PER-LINE	PICTURE	X(1).
02	Z77-VAT-RECEIVER	PICTURE	X(40).
02	Z77-APPROVAL-DEPARTMENT	PICTURE	X(20).
02	Z77-APPROVAL-NUMBER	PICTURE	X(20).
02	Z77-VAT-METHOD	PICTURE	X(1).

<b>Z77-REC-KEY</b>			
Z77-VENDOR-CODE	M	X(20) Upper case	<b>DESC:</b> Vendor code. <b>CONV:</b> Relevant vendor code. Should match the Z70-VENDOR-CODE.
Z77-INVOICE-NUMBER	M	X(15)	<b>DESC:</b> Invoice number as assigned by the vendor. <b>CONV:</b> Relevant invoice number.
Z77-ORIG-INVOICE-NUMBER	O	X(15)	<b>DESC:</b> This is an informative field that can be used when the invoice is an extension of a previous invoice. <b>CONV:</b> Relevant value or blank.
Z77-I-TYPE	M	X(3)	<b>DESC:</b> Type of invoice. The invoice type is for information purposes only; all invoice types are handled in the same manner by the system. Current values are: <b>REG</b> = Regular <b>PRO</b> = Proforma <b>DEP</b> = Deposit Values are defined in the pc_tab_exp_field.lng table under the ACQ_INVOICE_TYPE section. <b>CONV:</b> Relevant value. Any three-letter code, must match the definitions of the library's pc_tab_exp_field.lng table.
Z77-I-STATUS	M	X(3)	<b>DESC:</b> Status of the invoice. This status is for information purposes. Current values are: <b>REG</b> = Regular <b>SUP</b> = Supplemental <b>ADJ</b> = Adjustments Values are defined in the pc_tab_exp_field.lng table under the ACQ_INVOICE_STATUS section. <b>CONV:</b> Relevant value. Any three-letter code, must match the definitions of the library's pc_tab_exp_field.lng table.
Z77-CREDIT-DEBIT	M	X(1)	<b>DESC:</b> This field indicates whether this is a debit invoice or a credit invoice. Values are <b>D</b> (debit) or <b>C</b> (credit). <b>CONV:</b> Relevant value.
Z77-I-CURRENCY	M	X(3)	<b>DESC:</b> Currency used for the invoice. Checked against vendor's Z70-CURRENCY-n if the CHECK-INVOICE-CURRENCY flag in the tab100 table of the library's tab directory is set to <b>Y</b> . If the flag is set to <b>N</b> , then the

			<p>Z77-I-CURRENCY is not checked.</p> <p><b>CONV:</b> Currency must be defined in Z82 (currency table). If the CHECK-INVOICE-CURRENCY flag is set to 'N', you can enter a currency code that is not defined in the vendor record.</p>
Z77-I-CURRENCY-RATIO	M	9(12)	<p><b>DESC:</b> Currency ratio. This field can be used to define a particular currency ratio for the invoice. If the Z77-I-CURRENCY-RATIO is not zeroes, then the currency table (Z82) will not be consulted.</p> <p><b>CONV:</b> Relevant value or zeroes.</p>
Z77-I-NET-AMOUNT	M	9(12)V99 Leading zeroes, two last digits are decimal	<p><b>DESC:</b> Net amount of invoice. Optional information. In online ALEPH, if this field is reported and is different than Z77-I-TOTAL-AMOUNT, the relative difference is computed for each line of the invoice, and automatically added to the Z75-I-NET-AMOUNT in order to compute the Z75-I-TOTAL-AMOUNT.</p> <p><b>CONV:</b> Zeroes or relevant amount.</p>
Z77-I-SHIP-AMOUNT	M	9(12)V99 Leading zeroes, two last digits are decimal	<p><b>DESC:</b> Added charges. Optional information. In online ALEPH, if Z77-I-TOTAL-AMOUNT is blank, this amount is added to Z77-I-NET-AMOUNT to compute Z77-I-TOTAL-AMOUNT.</p> <p><b>CONV:</b> Zeroes or relevant amount</p>
Z77-I-OVER-AMOUNT	M	9(12)V99 Leading zeroes, two last digits are decimal	<p><b>DESC:</b> Added charges. Optional information. In online ALEPH, if Z77-I-TOTAL-AMOUNT is blank, this amount is added to Z77-I-NET-AMOUNT to compute Z77-I-TOTAL-AMOUNT.</p> <p><b>CONV:</b> Zeroes or relevant amount.</p>
Z77-I-INSU-AMOUNT	M	9(12)V99 Leading zeroes, two last digits are decimal	<p><b>DESC:</b> Added charges. Optional information. In online ALEPH, if Z77-I-TOTAL-AMOUNT is blank, this amount is added to Z77-I-NET-AMOUNT to compute Z77-I-TOTAL-AMOUNT.</p> <p><b>CONV:</b> Zeroes or relevant amount.</p>
Z77-I-DISC-AMOUNT	M	9(12)V99 Leading zeroes, two last digits are decimal	<p><b>DESC:</b> Amount discounted. Optional information. In online ALEPH, if Z77-I-TOTAL-AMOUNT is blank, this amount is subtracted from Z77-I-NET-AMOUNT to compute Z77-I-TOTAL-AMOUNT.</p> <p><b>CONV:</b> Zeroes or relevant amount.</p>
Z77-I-TOTAL-AMOUNT	M	9(12)V99 Leading zeroes,	<p><b>DESC:</b> Total amount. Mandatory information. In online ALEPH, if left</p>

		two last digits are decimal	blank, the amount is computed from net amount, plus added charges, minus discount. <b>CONV:</b> Zeroes or relevant amount.
Z77-I-DATE	M	9(8) Format: YYYYMMDD	<b>DESC:</b> Date of invoice. <b>CONV:</b> Relevant date.
Z77-I-REC-DATE	M	9(8) Format: YYYYMMDD	<b>DESC:</b> Date invoice was received. If the Z77-I-TYPE is 'DEP' (deposit), the date will not be automatically filled by the system. <b>CONV:</b> Relevant date. If Z77-I-TYPE is 'DEP' (deposit), then the Z77-I-REC-DATE can be zeroes.
Z77-I-SHIP-DATE	M	9(8) Format: YYYYMMDD	<b>DESC:</b> Date material was shipped. Default to Z77-I-DATE. <b>CONV:</b> Relevant date.
Z77-I-NOTE	O	X(60)	<b>DESC:</b> Free-text note. <b>CONV:</b> Relevant text or blank.
Z77-I-NO-ITEMS	M	9(4)	<b>DESC:</b> Not in use. <b>CONV:</b> Zeroes.
Z77-P-DATE	M	9(8) Format: YYYYMMDD.	<b>DESC:</b> Payment date. <b>CONV:</b> If Z77-P-STATUS = 'P', enter a relevant date here. Else put zeroes
Z77-P-CHECK-NO	O	X(15)	<b>DESC:</b> Payment check number. <b>CONV:</b> Blank or a relevant number.
Z77-P-AMOUNT	M	9(12)V99 Leading zeroes, two last digits are decimal	<b>DESC:</b> Payment amount. <b>CONV:</b> Relevant amount or zeroes.
Z77-P-STATUS	M	X(1)	<b>DESC:</b> Payment status. Values are: <b>N</b> = Not ready to be paid <b>R</b> = Ready to be paid <b>Y</b> = Payment notification sent <b>P</b> = Paid When creating a new invoice, the default value that displays in the Payment tab of the General Invoice Form is defined through the tab48.lng table of the library's tab directory. Note that this table is also used to define valid values for the field. <b>CONV:</b> If the Z77-P-AMOUNT > 0, then set the field to 'P', else put 'N'.
Z77-VAT-CODE	O	X(5)	<b>DESC:</b> VAT code. The VAT code mechanism enables automatic calculation of the Z77-VAT-AMOUNT according to

			<p>the selection of a specific code. This function is enabled by setting to 'Y' the UseVATCode variable under the section [Invoice] in the Acq.ini file. VAT codes and VAT percentages are defined in the tab_vat_percent.lng table of the tab directory of the administrative library. Note that if the Z77-VAT-PER-LINE field is set to 'N', the VAT code can only be attached to the general invoice and it is automatically assigned to all attached line items. If the field is set to 'Y', then the VAT code (Z75-I-VAT-CODE) can be set individually for each line item.</p> <p><b>CONV:</b> Relevant code or blank.</p>
Z77-VAT-AMOUNT	M	9(12)V99	<p><b>DESC:</b> This is the amount that should go to the VAT recipient. The VAT (Value Added Tax) is included in the Total Amount (Z77-I-TOTAL-AMOUNT). Note that the value in this field depends on the value of the Z77-VAT-PER-LINE and of the Z77-VAT-CODE fields.</p> <p><b>CONV:</b> Relevant amount or zeroes. Consult the value of the Z77-VAT-PER-LINE field.</p>
Z77-VAT-PER-LINE		X(1)	<p><b>DESC:</b> Values are Y and N. If the field is set to N, the VAT amount of the general invoice (Z77-VAT-AMOUNT) is fixed and saved in the database. In this case, VAT values of all attached line items (Z75-I-VAT-AMOUNT) are calculated from Z75-I-TOTAL-AMOUNT according to the VAT percent of the general invoice. In addition, the VAT code (Z75-I-VAT-CODE) of the line items can only be assigned through the general invoice. If the field is set to Y, the Z77-VAT-AMOUNT is always zero in the database. It is calculated on the fly from the VAT amounts of all attached line items, only for display/print purposes (e.g., Invoice Report - p_acq_10). This means that Z75-I-VAT-AMOUNT and the Z75-I-VAT-CODE can be set individually for each line item.</p> <p><b>CONV:</b> Relevant value.</p>
Z77-VAT-RECEIVER	O	X(40)	<p><b>DESC:</b> This is the body that should receive the Value Added Tax (VAT).</p>

			<b>CONV:</b> Relevant string or blank.
Z77-APPROVAL-DEPARTMENT	O	X(20)	<b>DESC:</b> Approval department. This is the unit responsible for processing the invoice approval. Values are defined through the ACQ_APPROVAL_DEPARTM section of the pc_tab_exp_field.lng table of the library's tab directory. The approval department can be used later as a retrieval filter for the "Invoice Report" (b_acq_10) batch process. <b>COVN:</b> Relevant value or blank.
Z77-APPROVAL-NUMBER	O	X(20)	<b>DESC:</b> Approval number assigned to the invoice. Note that the same number can be assigned to a group of invoices. This field is a free text field. In addition, it is possible to automatically add an approval number to a group of invoices by using the "Invoice Report" (b_acq_10) batch process. This service automatically adds the approval number to the invoices retrieved (according to the retrieval parameters) based on the value of the "last-invoice-app-no" counter (UTIL G/2). The approval number can be used later as a retrieval filter for the "Invoice Report" (b_acq_10) batch process. <b>CONV:</b> Relevant number or blank.
Z77-VAT-METHOD	O	X(1)	<b>DESC:</b> Indicates the VAT calculation method. Values can be I or E. I – Inclusive. VAT amount is already included in Z77-I-TOTAL-AMOUNT. E – Exclusive. VAT amount is added to Z77-I-TOTAL-AMOUNT. <b>CONV:</b> Relevant value.