



# Aleph Requirements for EDI -Outgoing and Incoming Messages

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# 1 About This Document

This document is intended for vendors who work with the Electronic Data Interchange (EDI) standard for the electronic exchange of business documents such as invoices and purchase orders. This document complements the chapter on EDI in *Aleph Staff User's Guide – Acquisitions*.

There are two sections:

- [Mapping EDItEUR Messages Sent by Aleph](#) on page 4
- [Requirements for EDI Messages Sent to Aleph](#) on page 8

It is essential that the specifications listed here are stated explicitly in all EDI-related agreements between Aleph customers and third party vendors.

## 2 Mapping EDItEUR Messages Sent by Aleph

This section maps EDI segments that are used by Aleph when producing outgoing EDI messages.

The following tables describe the EDI tags that are sent to vendors. The tables are divided to three sections: header, detail, and summary (according to the structure of the EDI message).

The table includes all possible combinations that Aleph can send to the vendor. For example, Aleph may send one of the three options of the UNH tag – 220, 224, or 22C, although there is also a fourth option in the EDItEUR standard – 228.

### 2.1 ORDERS Books Version 1.2

EDItEUR	Aleph	EDItEUR	Aleph	EDItEUR	Aleph
<b>Header</b>					
UNA					
UNB	Library code + vendor code + last EDI message				
UNH	Last EDI order	220	Rush order (urgency of the material)		
		224	Monograph order		
		22C	Standing Order		
DTM		137		102	Current date
NAD		BY	Customer's EDI code		
		SU	Type of EDI vendor	31B	For US SAN
				014	For EAN-13
				091	For ID assigned by supplier
				092	For ID assigned by customer
RFF		API	Vendors' account number for monograph/serial orders		

EDItEUR	Aleph	EDItEUR	Aleph	EDItEUR	Aleph
		VA	VAT number (up to 30 numbers)		
CUX		2	Currency for vendor invoices		
<b>Detail</b>					
LIN		EN	ISBN 13 characters		
PIA		IB	ISBN 10 characters		
IMD		009, 010, 011	Author		
		050	Title		
		109, 110, 170	Imprint		
		180	Material type		
		230	Call number – Dewey		
		240	Call number – LC		
		250	Other Call numbers 55,60,70,90,92,96,98,99,86i		
LI	Order number and optional order number which might be used to provide a supplementary order number.				
SLI	Reference number used by vendors.				
BFN	Number of budget				
QTY		21	Number of units ordered		
FTX	Note to the vendor; prints on order form.				
	Material requested, expressed in text (e.g. 3 copies paperback; v. 1-2, one copy)				
	Library note				
	E-note				
	Action details (can either be a system note or a user note)				
PRI		AAB	Price per unit		
CUX	Currency code of estimated price.				

EDItEUR	Aleph	EDItEUR	Aleph	EDItEUR	Aleph
RFF		LI	Order number for the monograph and optional order numbers that can be used to provide a supplementary order number		
		LCO	Order number for standing orders		
		SLI	Reference number used by vendors		
		BFN	Budget number		
LOC		20	Sublibrary to which the order belongs		
		7	ID of the user for whom the material is intended		
NAD		OB	Address		
TDT		55			
		53			
		101			
		41			
<b>Summary</b>					
UNS					
CNT					
UNT	Last EDI order				
UNZ	Last EDI message				

## 2.2 ORDCHG (for Cancellation Only) Books Version 1.2 – 11 September, 2001

EDItEUR	Aleph	EDItEUR	Aleph	EDItEUR	Aleph
<b>Header</b>					
UNA					
UNB	Library code + vendor code + last EDI message				
UNH	Last EDI order change				
BGM		230	Last EDI order change		
DTM		137	Current date		
NAD		BY	Customer's EDI code		
		SU			
RFF		API	Vendors' account number for monograph/serial orders		
		SU	Type of EDI vendor		
		VA	VAT number (up to 30 numbers)		
CUX		2	Currency for vendor invoices		
<b>Detail</b>					

EDItEUR	Aleph	EDItEUR	Aleph	EDItEUR	Aleph
LIN		EN	ISBN 13 characters		
PIA		IB	ISBN 10 characters		
IMD		009, 010, 011	Author		
		050	Title		
RFF		LI	Order number for monograph and optional order numbers that can be used to provide a supplementary order number		
		SLI	Reference number used by vendors		
		BFN	Budget number		
<b>Summary</b>					
UNS		1,2			
CNT					
UNT	Last EDI order <a href="#">change</a>				
UNZ	Last EDI message				

### 2.3 OSTENQ Books Version 1.2 - 11 September 2001

EDItEUR	Aleph	EDItEUR	Aleph	EDItEUR	Aleph
<b>Header</b>					
UNA					
UNB	Library code + vendor code + last EDI message				
UNH	Last EDI claim				
BGM	Last EDI claim	92E	Monograph		
		92J	Serials		
DTM		137	Current date		
NAD		BY	Library code		
		SU	Vendor code		
DOC					
<b>Detail</b>					
LIN		EN	ISBN 13 characters		
PIA	ISBN 10 characters	IB	Monograph		
		SI, SP	Serial		
IMD		009, 010, 011	Author		
		050	Title		
		080	Description of the item (for multi-volume monographs or serial items)		
STS	Serials claim format	55			

EDItEUR	Aleph	EDItEUR	Aleph	EDItEUR	Aleph
		56E			
		58E			
		59E			
		218			
		239			
RFF		050	Order number for monograph and optional order numbers that can be used to provide a supplementary order number		
		SLI	Reference number used by vendors		
		BFN	Budget number		
<b>Summary</b>					
UNS					
UNT	Last EDI claim				
UNZ	Last EDI message				

### 3 Requirements for EDI Messages Sent to Aleph

This section details the specifications that are used by Aleph when translating an incoming message from EDI format into Aleph standard format.

If not stated otherwise, Aleph accepts all codes specified in the EDItEUR guidelines.

#### 3.1 DESADV

##### Serials

**PIA** – SI code for SICI number. Aleph retrieves the item records and updates the arrival date of these items to the current date (the date when the message is uploaded to the system). In addition, the item process status field is cleared (in Aleph this means that the item has arrived and is available).

#### 3.2 ORDRSP

##### Books

**BGM** – 231 or 23C codes for quick identification as a book message.

**IMD** – Only the subset for the brief description in both the numeric and alpha codes is implemented.

**RFF** – In the line section of the message, the LI code (not the ON code) indicates the buyer's original order number and is required for Aleph. In addition, the SLI code (the supplier's order number) can be sent in order to aid in future communication. However, if the LI code is not available, the SLI code must be used, if previous messages sent to the library used this SLI code so that it is already saved in Aleph.

**RFF** – If the ORDRSP message is a response to a claim and not to an order, the ACT code must appear in the line section of the message with the buyer's original claim



number including the claim sequence number. The original claim number is sent to the vendor with the ACT code in the OSTENQ message.

The following tags update the Aleph database:

EDItEUR	Aleph	EDItEUR	Aleph
LIN	Action details note		
PIA	Action details note		
DTM	Action details note		
FTX	Action details note		
RFF		SLI	Reference number used by vendors.

### Serials

**BGM** – 23S code for quick identification as a serials message.

**IMD** – Both the numeric and alpha codes are acceptable.

**RFF** – In the line part of the message, the LI code (not the ON code), indicates the buyer's original order number and is required for Aleph. In addition, the SNA code (the agent's subscription number) or the SNP code (the publisher's subscription number) can be sent in order to aid in future communication. However, if the LI code is not available, the SNA or SNP codes must be used.

**RFF** – If the ORDRSP message is a response to a claim and not to an order, the ACT code must appear in the line section of the message with the buyer's original claim number including the claim sequence number. The original claim number is sent to the vendor with the ACT code in the OSTENQ message.

The following tags update the Aleph database:

EDItEUR	Aleph	EDItEUR	Aleph
RFF		SNA	Reference number used by vendors.
		SNP	Reference number used by vendors.

## 3.3 INVOIC

### Books

**RFF** – In the line section of the message, the LI code (not the ON code) indicates the buyer's original order number and is required for Aleph. In addition, the SLI code (the supplier's order number) can be sent in order to aid in future communication. However, if the LI code is not available, the SLI code must be used, if previous messages sent to the library used this SLI code so that it is already saved in Aleph.

The following tags update the Aleph database:

EDItEUR	Aleph	EDItEUR	Aleph	EDItEUR	Aleph
Header					
BGM		380, 38A	Indicates the invoice as a debit invoice		
		381	Indicates the invoice as a credit invoice		
			Invoice number		
DTM		137	Date of invoice and material shipment.		
CUX		4	Currency used for the invoice.		
MOA		8, 24	Total amount		
Detail					
LIN			Sequential number, which identifies the item line on the invoice.		
QTY		47	Number of units being charged for by this invoice		
FTX			Invoice note.		
MOA		128, 203+124	Total amount to be paid.		
PRI * (QTY:47)			Net amount of invoice. if this field is reported and is different than Total amount, the relative difference is computed for each line of the invoice, and automatically added Net amount.		
RFF		SLI	Vendors' reference number		
Summary					
MOA		9	Total amount		
		124		TAX:VAT	Value Added Tax that goes to the recipient.
		131		ALC:A	Amount discounted
				ALC:C+176-124(TAX:VAT)	Added charges
		79	Net amount		

## Serials

**BGM** – JINV or JCRN in component data element 1000 for quick identification as a serials message.

**RFF** – In the line section of the message, the LI code (not the ON code), indicates the buyer's original order number and is required for Aleph. In addition, the SNA code (the agent's subscription number) can be sent in order to aid in future communication. However, if the LI code is not available, the SNA code must be used.

The following tags update the Aleph database:

EDItEUR	Aleph	EDItEUR	Aleph	EDItEUR	Aleph
<b>Header</b>					
BGM		380	Indicates the invoice as a debit invoice		
		381	Indicates the invoice as a credit invoice		
			Invoice number		
DTM		137	Date of invoice and material shipment.		
CUX		4	Currency used for the invoice.		
MOA		8, 24	Total amount		
<b>Detail</b>					
LIN	Sequential number, which identifies the item line on the invoice.				
PIA	Invoice note will be uploaded according to customer configuration				
IMD	Invoice note will be uploaded according to customer configuration				
QTY		47	Invoice note		
FTX	Invoice note will be uploaded according to customer configuration				
MOA		203+124	Total amount to be paid.		

EDiEUR	Aleph	EDiEUR	Aleph	EDiEUR	Aleph
PRI * (QTY:47)			Net amount of invoice. if this field is reported and is different than Total amount, the relative difference is computed for each line of the invoice, and automatically added Net amount.		
RFF		SNA	Vendors' reference number		
<b>Summary</b>					
MOA		9	Total amount		
		124		TAX:VAT	Value Added Tax that goes to the recipient.
		8		ALC:A	Amount discounted
				ALC:C+176-124(TAX:VAT)	Added charges
		79	Net amount		