ZAGENO

SUPPLIER GUIDE · ORDER INTEGRATION

EDI 810 invoice

ANSI X12 version 4010: every segment and element of the invoice you send us.

This specification lists each segment and element of the 810, whether it is required, and its data type and length. Use it with the samples, document rules and test cases in the order integration guide.

At a glance

01 Direction

Who sends it

You send this document to ZAGENO.

SENDER

You

02 Standard

X12 version 4010

The functional group code is the one in the GS segment.

FUNCTIONAL GROUP

IN

03 Connection

AS2 or SFTP

Test and production each have their own connection details.

AS2 SECURITY

SHA-2

How to read the tables

USER REQ is what ZAGENO needs; REQ DES is the X12 standard's designation. M = mandatory, O = optional, X = conditional: send it when it applies. Notes in a shaded box explain how ZAGENO uses a segment or element.

Samples, document rules and test cases

See the order integration guide at go.zageno.com/supplier-guide. Questions: suppliers@zageno.com.

810 Invoice

Functional Group = IN

Header

USER REQ	REQ DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
M	M	1	010	ST	Transaction Set Header
M	M	1	020	BIG	Beginning Segment for Invoice
O	O	1	040	CUR	Currency
O	O	1	050	REF	Reference Identification
				LOOP N1	**Max: 200** **Required**
M	M	1	070	N1	Name
M	O	1	090	N3	Address Information
M	O	1	100	N4	Geographic Location
O	O	1	120	PER	Administrative Communications Contact
O	O	1	130	ITD	Terms of Sale/Deferred Terms of Sale

Detail

USER REQ	REQ DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
				LOOP IT1	**Max: 200000** **Required**
M	M	1	010	IT1	Baseline Item Data (Invoice)
				LOOP PID	**Max: 1000** **Optional**
O	M	1	060	PID	Product/Item Description
				LOOP SAC	**Max: 25** **Optional**
O	M	1	180	SAC	Service, Promotion, Allowance, or Charge Information

Summary

USER REQ	REQ DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
M	M	1	010	TDS	Total Monetary Value Summary
				LOOP SAC	**Max: 25** **Optional**
O	M	1	040	SAC	Service, Promotion, Allowance, or Charge Information
M	O	1	070	CTT	Transaction Totals
M	M	1	080	SE	Transaction Set Trailer

ST Transaction Set Header

ST

Position: 010
Loop:
Level: Header
User Req: Required
Max Use: 1

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	ST01	143	Transaction Set Identifier Code	ID	3/3
				810 Invoice		
M	M	ST02	329	Transaction Set Control Number	AN	4/9

BIG Beginning Segment for Invoice

BIG

Position: 020
Loop:
Level: Header
User Req: Required
Max Use: 1
Notes: BIG01 (Date) - This is the Invoice Date
BIG02 (Invoice Number) - Unique identifier for this specific invoice.
BIG03 (Date) - Purchase Order Number
BIG07 (Transaction Type Code) - Will identify this transaction as an Invoice (DI) or Credit Memo (CR)

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	BIG01	373	Date	DT	8/8
M	M	BIG02	76	Invoice Number	AN	1/22
O	O	BIG03	373	Date	DT	8/8
M	O	BIG04	324	Purchase Order Number	AN	1/22
M	O	BIG07	640	Transaction Type Code	ID	2/2
				DI Debit Invoice		
				CR Credit Memo		

CUR Currency

CUR

Position: 040
Loop:
Level: Header
User Req: Optional
Max Use: 1
Notes: If no value is provided "USD" will be assumed.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	CUR01	98	Entity Identifier Code	ID	2/3
				SE Selling Party		
X	M	CUR02	100	Currency Code	ID	3/3

REF Reference Identification

REF

Position: 050
Loop:
Level: Header
User Req: Optional
Max Use: 1
Notes: CO (CustomerOrder Number) - Indicates the end user's order number, typically provided on the packing slip.

IA (Internal Vendor Number) - this is the number assigned by the merchant to identify the supplier.

User Req	Req Des.	Ref. Des.	Data Element	Element Name		Data Type	Min/Max Len.
M	M	REF01	128	Reference Identification Qualifier		ID	2/3
				IA	Internal Vendor Number		
				CO	Customer Order Number		
X	O	REF02	127	Reference Identification		AN	1/30

N1 Name

N1

Position: 070
Loop: N1
Level: Header
User Req: Required
Max Use: 1
Notes:

The remittance address information is only required if no default remittance address is set for your account. To set one, email suppliers@zageno.com.

User Req	Req Des.	Ref. Des.	Data Element	Element Name		Data Type	Min/Max Len.
M	M	N101	98	Entity Identifier Code		ID	2/3
				RI	Remit To		
X	O	N102	93	Name		AN	1/60
O	O	N103	66	Identification Code Qualifier		ID	1/2
				92	Assigned by Buyer or Buyer's Agent		
X	O	N104	67	Identification Code		AN	2/80

N3 Address Information

N3

Position: 090
Loop: N1
Level: Header
User Req: Required
Max Use: 1

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	N301	166	Address Information	AN	1/55
O	O	N302	166	Address Information	AN	1/55

N4 Geographic Location

N4

Position: 100
Loop: N1
Level: Header
User Req: Required
Max Use: 1

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	O	N401	19	City Name	AN	2/30
M	O	N402	156	State or Province Code	ID	2/2
M	O	N403	116	Postal Code	ID	3/15
O	O	N404	26	Country Code	ID	2/3

PER Administrative Communications Contact

PER

Position: 120
Loop: N1
Level: Header
User Req: Optional
Max Use: 1

User Req	Req Des.	Ref. Des.	Data Element	Element Name		Data Type	Min/Max Len.
O	M	PER01	366	Contact Function Code		ID	2/2
				CN	General Contact		
X	O	PER02	93	Name		AN	1/60
O	O	PER03	365	Communication Number Qualifier		ID	2/2
				TE	Telephone		
X	O	PER04	364	Communication Number		AN	1/80
O	O	PER05	365	Communication Number Qualifier		ID	2/2
				EM	Electronic Mail		
X	O	PER06	364	Communication Number		AN	1/80

ITD Terms of Sale/Deferred Terms of Sale

ITD

Position: 130
Loop:
Level: Header
User Req: Optional
Max Use: 1
Notes: ITD segment will be used to identify the payment terms of the invoice. This is not required if BIG07 is a
Credit Memo (CR).

To set default payment terms for your account, email suppliers@zageno.com.

User Req	Req Des.	Ref. Des.	Data Element	Element Name		Data Type	Min/Max Len.
M	O	ITD01	336	Terms Type Code		ID	2/2
				01	Basic		
O	O	ITD02	333	Terms Basis Date Code		ID	1/2
				1	Ship Date		
				2	Delivery Date		
				3	Invoice Date		
O	O	ITD03	338	Terms Discount Percent		R	1/6
O	O	ITD04	370	Terms Discount Due Date		DT	8/8
O	O	ITD05	351	Terms Discount Days Due		N0	1/3
O	O	ITD06	446	Terms Net Due Date		DT	8/8
O	O	ITD07	386	Terms Net Days		N0	1/3
O	O	ITD08	362	Terms Discount Amount		N2	1/10
O	O	ITD12	352	Description		AN	1/80

IT1 Baseline Item Data (Invoice)

IT1

Position: 010
Loop: IT1
Level: Detail
User Req: Required
Max Use: 1

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
O	O	IT101	350	Assigned Identification	AN	1/20
M	O	IT102	358	Quantity Invoiced	R	1/10
M	O	IT103	355	Unit or Basis for Measurement Code	ID	2/2
M	O	IT104	212	Unit Price	R	1/17
O	O	IT105	639	Basis of Unit Price Code	ID	2/2
				PE Price per Each		
M	O	IT106	235	Product/Service ID Qualifier	ID	2/2
				VN Vendor's (Seller's) Item Number		
M	O	IT107	234	Product/Service ID	AN	1/48
O	O	IT108	235	Product/Service ID Qualifier	ID	2/2
				IN Buyer's Item Number		
X	O	IT109	234	Product/Service ID	AN	1/48
O	O	IT110	235	Product/Service ID Qualifier	ID	2/2
				UP U.P.C. Consumer Package Code (1-5-5-1)		
X	O	IT111	234	Product/Service ID	AN	1/48

PID Product/Item Description

PID

Position: 060
Loop: PID
Level: Detail
User Req: Optional
Max Use: 1

User Req	Req Des.	Ref. Des.	Data Element	Element Name		Data Type	Min/Max Len.
O	M	PID01	349	Item Description Type		ID	1/1
				F	Free-form		
O	O	PID02	750	Product/Process Characteristic Code		ID	2/3
				08	Product		
				SIZ	Sizing		
				35	Color		
X	O	PID05	352	Description		AN	1/80

SAC Service, Promotion, Allowance, or Charge Information

SAC

Position: 180
Loop: SAC
Level: Detail
User Req: Optional
Max Use: 1

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	SAC01	248	Allowance or Charge Indicator	ID	1/1
				C Charge		
M	O	SAC02	1300	Service, Promotion, Allowance, or Charge Code	ID	4/4
				H850 (Tax) - will be used to identify specific line level tax amount.		
				H850 Tax		
X	O	SAC05	610	Amount	N2	1/15

TDS Total Monetary Value Summary

TDS

Position: 010
Loop:
Level: Summary
User Req: Required
Max Use: 1
Notes: TDS01 (Amount) - this will be your total invoice amount including all SAC charges and allowances identified in the header.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
O	M	TDS01	610	Amount	N2	1/15

SAC Service, Promotion, Allowance, or Charge Information

SAC

Position: 040
Loop: SAC
Level: Summary
User Req: Optional
Max Use: 1
Notes: A (Allowance) = used to indicate an allowance to be applied to the invoice total.

C (Charge) = used to indicate a charge to be applied to the invoice total.

**C310 (Discount) will be the only code using "A" (Allowance) in SAC01.

**ZZZZ (Mutually Defined) will be used as a miscellaneous charge

Values should be used in the calculation of invoice total in the TDS segment.

User Req	Req Des.	Ref. Des.	Data Element	Element Name		Data Type	Min/Max Len.
M	M	SAC01	248	Allowance or Charge Indicator		ID	1/1
				A	Allowance		
				C	Charge		
M	O	SAC02	1300	Service, Promotion, Allowance, or Charge Code		ID	4/4
				C310	Discount		
				G821	Shipping		
				H850	Tax		
				C510	Dry Ice		
				D500	Handling		
				ZZZZ	Mutually Defined		
X	O	SAC05	610	Amount		N2	1/15

CTT Transaction Totals

CTT

Position: 070
Loop:
Level: Summary
User Req: Required
Max Use: 1

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	CTT01	354	Number of Line Items	N0	1/6

SE Transaction Set Trailer

SE

Position: 080
Loop:
Level: Summary
User Req: Required
Max Use: 1

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	SE01	96	Number of Included Segments	N0	1/10
M	M	SE02	329	Transaction Set Control Number	AN	4/9