

810 Invoice

810 ANSI X12 004010

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Version Number	Version Date	Description of Change	Reason of Change	Author	Change Reference
1.0	01.24.2013	Initial release	Original Document	Adrian Birau	All Sections
1.1	03.18.2013	REF01 -128 EU Code was removed REF02 Optika Transaction ID - removed		Adrian Birau	REF Reference Identification
1.2	03.28.2013	New Samples		Adrian Birau	Examples
1.3	12.17.2013	Add note for rounding TDS segment		Adrian Birau	TDS
1.4	12.17.2013	Add sample for rounding TDS01 segment		Adrian Birau	Samples
1.5	11.5.2014	Add Note and sample IT1 Segment		Arkadyuti Banik	Note and Examples

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810 Invoice Functional Group = IN

Purpose:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
040	CUR	Currency	O	1		N1/040	Used
050	REF	Reference Identification	O	12			Used
LOOP ID - N1					<u>200</u>		
070	N1	Name	O	1		N1/070	Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
110	REF	Reference Identification	O	12			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
140	DTM	Date/Time Reference	O	10		N1/140	Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - IT1					<u>200000</u>		
010	IT1	Baseline Item Data (Invoice)	M	1			Must use
LOOP ID - PID					<u>1000</u>		
060	PID	Product/Item Description	O	1			Used
120	REF	Reference Identification	O	>1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	TDS	Total Monetary Value Summary	M	1			Must use
020	TXI	Tax Information	M	10			Must use
LOOP ID - SAC					<u>25</u>		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
070	CTT	Transaction Totals	O	1		N3/070	Used
080	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

User Option (Usage):

Must use

Purpose:

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set
All valid standard codes are used. (Total Codes: 298)

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BIG Beginning Segment for Invoice

User Option (Usage):

Must use

Purpose:

To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Date	M	DT Must	8/8	use
		Description: Date expressed as CCYYMMDD				
BIG02	76	Invoice Number	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
BIG03	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
BIG04	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
BIG05	328	Release Number	M	AN	1/30	Must use
		Description: Packing Slip Number				
BIG06	327	Change Order Sequence Number	O	AN	1/8	Not used
		Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set				
BIG07	640	Transaction Type Code	O	ID	2/2	Used
		Description: Code specifying the type of transaction				

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.

Comments:

1. BIG07 is used only to further define the type of invoice when needed.

CUR Currency

User Option (Usage):

Used

Purpose:

To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual.

All valid standard codes are used. (Total Codes: 1312) (EU Sites)

BY - Buying Party (Purchaser)

CUR02	100	Currency Code	M	ID	3/3	Must use
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Description: Code (Standard ISO) for country in whose currency the charges are specified.
Ex: HUF (EU Sites - Hungary)

CUR03	280	Exchange Rate	O	R	4/10	Must use
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Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another

CUR04	98	Entity Identifier Code	O	ID	2/3	Must use
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Description: Code identifying an organizational entity, a physical location, property or an individual.

All valid standard codes are used. (Total Codes: 1312) (EU sites)

II – Issuer of Invoice

CUR05	100	Currency Code	O	ID	3/3	Must use
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Description: Code (Standard ISO) for country in whose currency the charges are specified
Ex: USD

Notes:

CUR segment is mandatory for the invoices sent to European Flextronics sites with special requirements (it will be communicated during the implementation phase); If the invoice currency is not equal to foreign currency then CUR01-05 are mandatory, otherwise CUR01 and CUR02 are mandatory;

If the invoice is sent for other Flextronics sites except the ones mentioned above CUR segment is not mandatory, but if it is sent then CUR01 and CUR02 must be sent;

Comments:

1. See the examples detailing the use of the CUR segment.

Sample:

- 1. when invoice currency is not equal to foreign currency:CUR~BY~HUF~231.180198~II~USD
- 2. when invoice currency is equal to foreign currency: CUR~BY~USD or CUR~BY~HUF

REF Reference Identification

User Option (Usage):

Used

Purpose:

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	O	ID	2/3	Not used

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 3)

<u>Code</u>	<u>Name</u>
VN	Vendor Order Number
VR	Vendor ID Number

REF02	127	Reference Identification	R	AN	1/30	Not used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Description: Vendor Order Number Description:
Supplier Code**

Syntax Rules:

- 1. R0203 - At least one of REF02 or REF03 is required.

Notes:

REF01 - VN'– Vendor Order Number is mandatory for Consigned SMI.

Semantics:

- 1. REF04 contains data relating to the value cited in REF02.

Loop Name

User Option (Usage):

Used

Purpose:

To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
070	N1	Name	O	1		Used
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	O	1		Used
110	REF	Reference Identification	O	12		Used

N1 Name

User Option (Usage):

Used

Purpose:

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual.

All valid standard codes are used. (Total Codes: 1312)

(EU Sites)

Code Name

BY Buying Party(Purchaser)

SE Selling Party SF

Ship From

N102	93	Name	M	AN	1/60	Used
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Description: Free-form name

N103	66	Identification Code Qualifier	M	ID	1/2	Used
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Description: 92 – Number assigned by Buying party

All valid standard codes are used. (Total Codes: 215)

N104	67	Identification Code	M	AN	2/80	Used
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Description: Code identifying a party or other code

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.

2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

- 1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2. N1 is mandatory with N101=BY,SE,SF for EU companies;

N3 Address Information

User Option (Usage):

Used

Purpose:

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN Must	1/55	use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

Comments:

- 1. N3 is mandatory for EU sites;

N4 Geographic Location

User Option (Usage):

Used

Purpose:

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	O	AN Used	2/30	
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used

N403 116 **Postal Code** O ID 3/15 Used

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

N404 26 **Country Code** O ID 2/3 Used

Description: Code identifying the country

Syntax Rules:

- 1. C0605 - If N406 is present, then N405 is required.

Comments:

- 1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
- 2. N402 is required only if city name (N401) is in the U.S. or Canada.
- 3. N4 is mandatory for EU sites;

Samples for EU sites:

N1~SE~TEXAS INSTRUMENTS DEUTSCHLAND GMBH~92~S00000022
 N3~Haggertystrasse 1
 N4~Freising~~85356~DE
 N1~BY~Flextronics International KFT~92~452
 N3~Zrinyi Utca 38
 N4~Zalaegerszeg~~8900~HU
 N1~SF
 N4~~~~US

REF Reference Identification

User Option (Usage):

Used

Purpose:

To specify identifying information **Element**

Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 1)

<u>Code</u>	<u>Name</u>
VX	Value-Added Tax Registration Number (Europe)

REF02	127	Reference Identification	X	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Additional Notes:** VAT registration number

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Comments:

1. REF with REF01=VX is mandatory for EU sites;

Samples:

REF~VX~HU26969800

ITD Terms of Sale/Deferred Terms of Sale

User Option (Usage):

Used

Purpose:

To specify terms of sale **Element**

Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD07	386	Terms Net Days	O	N0	1/3	Used

Description: Free-form text for Terms Net Days

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

DTM Date/Time Reference

User Option (Usage):

Used

Purpose:

To specify identifying information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time **All valid standard codes are used. (Total Codes: 1112)**

(EU Sites)

002 – Delivery Requested

DTM02	373	Date	X	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Comments:

1. Mandatory (EU sites)

Sample:

DTM~002~20120429

Loop Baseline Item Data (Invoice)

User Option (Usage):

Used

Purpose:

To specify the basic and most frequently used line item data for the invoice and related transactions **Loop**

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	IT1	Baseline Item Data (Invoice)	O	1		Used
060		Loop PID	O		1000	Used
120	REF	Reference Identification	O	>1		Used

IT1 Baseline Item Data (Invoice)

User Option (Usage):

Used

Purpose:

To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	Assigned Identification	O	AN	1/20	Used
		Description: Purchase Order Line Number				
IT102	358	Quantity Invoiced	M	R	1/10	Used
		Description: Number of units invoiced (supplier units)				
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
(Total Codes: 794, Included: 7)

CodeList Summary

<u>Code</u>	<u>Name</u>
CH	Container
CN	Can
EA	Each
FT	Foot

Note:

1. Total Line Amount Calculation For All valid Standard Codes: (Qty*Price)
2. Decimal rounding off is allowed only if 3rd decimal digit is greater than or equal to 5
3. IT105: All valid standard codes are used
If "HP" used for Price Per Hundred Units; Then Line Amount calculation: Qty*(Price/100)
If "TP" used for Price Per Thousand Units; Then Line Amount calculation: Qty*(Price/1000)

Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Examples:

For Single Line

IF, IT1*30*1250*EA*0.3409**BP*TRB2H-66830*VP*FA-20H-24 0000M-F-20

Then, Total Line amount = 426.13

For Multiple Lines

IF, IT1*20*1*EA*0.525*UM*BP*CISV-08-0464-06*VP*AVAGOPart

IT1*30*1250*EA*0.3409**BP*TRB2H-66830*VP*FA-20H-24 0000M-F-20

Then, Total Line amount = 0.53 + 426.13 = 426.66

IF, **HP** used at IT105

IT1*20*365*EA*0.525*HP*BP*CISV-08-0464-06*VP*AVAGOPart

Then, Total Line amount = 1.92

IF, **TP** used at IT105

IT1*20*325*EA*5.525*TP*BP*CISV-08-0464-06*VP*AVAGOPart

Then, Total Line amount = 1.80

Loop Product/Item Description

User Option (Usage):

Used

Purpose:

To describe a product or process in coded or free-form format **Loop**

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
060	PID	Product/Item Description	O	1		Used

PID Product/Item Description

User Option (Usage):

Used

Purpose:

To describe a product or process in coded or free-form format

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Usage</u>	<u>Min/Max</u>	ID Must use
PID01	349	Item Description	M			1/1	

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

<u>Code</u>	<u>Name</u>
F	Free-form

PID05	352	Description	X	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.

REF Reference Identification

User Option (Usage):

Used

Purpose:

To specify identifying information **Element**

Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 2)

<u>Code</u>	<u>Name</u>
4L	Location-specific Services Reference Number
LI	Line Item Identifier (Seller's)

REF02	127	Reference Identification	M	AN	1/30	Must use
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Description: Commercial Invoice Number. Line Item Identifier

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Notes:

REF01 - LI' Vendor Order Line Number is mandatory for Consigned SMI.

TDS Total Monetary Value Summary

User Option (Usage):

Must use

Purpose:

To specify the total invoice discounts and amounts **Element**

Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount	M	N2	1/15	Must use
		Description: Monetary amount (in invoice currency)				
TDS02	610	Amount	O	N2	1/15	Must use
		Description: Monetary amount (in local currency)				

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).

Comments:

1. TDS02 is required only when invoice currency (for the EU sites with special requirement) is not equal with invoice currency; TDS02 is the amount in CUR02 currency (CUR01=BY); TDS01 is the amount in CUR05 currency (CUR04=II); see below sample;
- 2 When invoice currency is equal with invoice currency then just TDS01 is required;

Note:

1. Total Invoice Amount = Total Line Amount*100
2. TDS01 should not be having Null, Empty, Zero

Samples:

CUR~BY~HUF~231.180198~II~USD

...

TDS~46875~10836572 (TDS01 is the amount in invoice currency – USD, TDS02 is the amount in local currency – HUF)

TXI Tax Information

User Option (Usage):

Must use

Purpose:

To specify tax information **Element**

Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TXI01	963	Tax Type Code	M	ID Must	2/2	use
<p>Description: Code specifying the type of tax All valid standard codes are used. (Total Codes: 74) VA – Value Added Tax (for EU sites is mandatory)</p>						
TXI02	782	Monetary Amount	X	R	1/18	Used
<p>Description: Monetary amount</p>						
TXI03	954	Percent	X	R	1/10	Used
<p>Description: Percentage expressed as a decimal</p>						
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
<p>Description: Code identifying the source of the data used in tax jurisdiction code. All valid standard codes are used. (Total Codes: 3) CD – Customer defined (for EU sites is mandatory)</p>						
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
<p>Description: Additional notes: Please used values indicated in “Global tax transaction code” table.</p>						
TXI10	350	Assigned Identification	O	AN	1/20	Used
<p>Description: This is used for the currency code (USD, HUF)</p>						

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

- 1. TXI02 is the monetary amount of the tax.

Sample: for EU sites

TXI~VA~93.75~25~CD~100~~~~~USD

TXI~VA~21673.14~25~CD~100~~~~~HUF

Loop Service, Promotion, Allowance, or Charge Information

User Option (Usage):

Used

Purpose:

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge **Loop Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

Semantics:

- 1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
- 2. SAC05 is the total amount for the service, promotion, allowance, or charge.
- 3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence. **SAC Service,**

Promotion, Allowance, or Charge Information

User Option (Usage):

Used

Purpose:

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge **Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 1)

<u>Code</u>	<u>Name</u>
C	Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
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Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1053, Included: 2)

<u>Code</u>	<u>Name</u>
D230	Freight Surcharge
D240	Freight

SAC05	610	Amount	M	N2	1/15	Must use
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Description: Monetary amount Freight Charges

SAC15	352	Description	X	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

CTT Transaction Totals

User Option (Usage):

Used

Purpose:

To transmit a hash total for a specific element in the transaction set **Element**

Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use
		Description: Total number of line items in the transaction set				
CTT02	347	Hash Total	O	R	1/10	Used
		Description: Sum of number of units Invoiced (IT102).				

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

User Option (Usage):

Must use

Purpose:

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	NO	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

1. SE is the last segment of each transaction set.

Examples

Example1: Asia and America sites (where no EU special requirements are needed)

ISA~00~ ~00~ ~SupplierQualifier~SupplierISA ~Flex Qualifier~Flex ISA ID~130327~0231~U~00401~000011362~0~P~<
GS~IN~SupplierGS~9417148340855~20130327~0231~13736~X~004010
ST~810~137360001
BIG~20130327~1107818981~855C06122~96196749
IT1~10~50~EA~4.39~BP~CISH-17-11395-02~VP~KIT17-11395-02
TDS~21950
TXI~ST~0
SAC~C~D230~0~Freight Surcharge
CTT~1~50
SE~8~137360001
GE~1~13736
IEA~1~000011362

Example2: sample for EU sites (invoice currency is not equal with local currency)

ISA~00~ ~00~ ~SupplierQualifier~SupplierISA ~Flex Qualifier~Flex ISA ID~100429~1431~U~00200~000000415~0~T~<
GS~IN~SupplierGS~9417148340452~20100429~1431~17~X~004010 ST~810~170001
BIG~20100429~592424056~20100429~452124607~0730422741~DR
CUR~BY~HUF~231.180198~II~USD
N1~SE~Selling Party~92~S00000022
N3~Haggertystrasse 1
N4~Freising~85356~DE
REF~VX~HU26969800
N1~BY~Flextronics International KFT~92~452
N3~Zrinyi Utca 38
N4~Zalaegerszeg~8900~HU
REF~VX~HU11222149
N1~SF
N4~US
DTM~011~20100429
DTM~002~20120429
FOB~NC~OP~N/A
IT1~50~5000~EA~0.075~BP~SFV-4816-04679~VP~LM2901QDRQ1
TDS~46875~10836572
TXI~VA~93.75~25~CD~100~USD
TXI~VA~21673.14~25~CD~100~HUF
SAC~C~D240~EX~FC~0~06~FREIGHT CHARGE
CTT~1
SE~23~170001
GE~1~17 IEA~1~000000415

Example3: sample for EU sites (invoice currency is equal with local currency)

ISA~00~ ~00~ ~SupplierQualifier~SupplierISA ~Flex Qualifier~Flex ISA Id~100429~1431~U~00200~000000415~0~T~<
GS~IN~ SupplierGS ~9417148340452~20100429~1431~17~X~004010 ST~810~170001
BIG~20100429~592424056~20100429~452124607~0730422741~~DR
CUR~BY~HUF
N1~SE~Selling Party Name~92~S00000022
N3~Haggertystrasse 1
N4~Freising~~85356~DE
REF~VX~HU26969800
N1~BY~Flextronics International KFT~92~452
N3~Zrinyi Utca 38
N4~Zalaegerszeg~~8900~HU
REF~VX~HU11222149
N1~SF
N4~~~~US
DTM~011~20100429
DTM~002~20120429
FOB~NC~OP~N/A
IT1~50~5000~EA~17.338516~~BP~SFV-4816-04679~VP~LM2901QDRQ1
TDS~10836572
TXI~VA~21673.14~25~CD~100~~~~HUF
SAC~C~D240~EX~FC~0~~~~06~~~FREIGHT CHARGE
CTT~1
SE~22~170001
GE~1~17 IEA~1~000000415

Annex

Global tax transaction code

Global tax transaction code	Transaction (at supplier)	Description
100	Export transaction	Ship-from country is out of EU; goods are not customs cleared at the time of sale (simple import at purchasing site)
101	Intra-community supply	Ship-from and ship-to countries are different EU member countries; goods are in free circulation; parties have VAT registration in ship-from/ship-to countries. Transaction is reported in VIES.
102	Triangular intra-community supply	Such an intra-community supply where the supplier is the intermediary customer ("B" entity) in the chain transaction and the triangular simplification rules are applicable. Transaction is reported in VIES indicating we (Flextronics, as "C" entity) purchase from the intermediary ("B") customer.
103	VMI intra-community supply	VMI purchase (call-off); Ship-from and ship-to countries are different EU member countries; call-off stock simplification rules are applied for the transaction (as the countries apply the simplification rules in their local VAT law). Transaction is reported in VIES.
104	Inland sale	ship-from country = ship-to country; goods are in free circulation. Subject to VAT
105	Chain transaction (domestic part)	Ship-from country is EU or non-EU (one delivery; more sales transactions) but the place of performance is inland; goods are in free circulation. Subject to VAT. (Country-specific rule!)
106	Sales under bond in EU	Ship-from country is other EU country than the ship-to country; the goods are not in free circulation (not customs cleared). It is not reported in VIES. VAT exempt transaction.
107	Inland sales under bond	1. Ship-from country = ship-to country. Customer has VAT registration in ship-to country; goods are not customs cleared. VAT exempt transaction. 2. Ship-from country is out of EU; VMI purchase (call-off); goods are not customs cleared at the time of call-off; supplier has VAT registration in ship-to country. VAT exempt transaction.
108	VMI export	Ship-from country is out of EU; VMI purchase (call-off); goods are not customs cleared at the time of call-off; supplier does not have VAT registration in ship-to country. VAT exempt.
109	VMI inland sales	1. VMI purchase (call-off); ship-from EU; goods are in free circulation within EU; call-off stock simplification rules are NOT applied for the transaction. Subject to VAT (at the time of call-off). 2. VMI purchase; ship-from country = ship-to country; goods are in free circulation. Subject to VAT
110	Domestic sales and service transaction in Poland (by non-resident legal entities)	Goods and services sold by non-resident legal entities within Poland. Transaction reported under domestic reverse charge rule - but not reported under VIES. (Special Polish rule!) Invoicing requirements: no VAT shown on the invoice; "Customer is liable to pay the VAT"

Mandatory Segment and Elements to be received for Invoices sent to Flex sites under the EU

Data segments required for Legal and Tax	Segment/Element	Invoice Requirement in EU (supplier has VAT registration number in the EU)
The Date of Issue of the invoice	BIG01	Mandatory
The correct full name and address of the Vendor	N1-N4 where N101=SE	Mandatory
The VAT registration number of Vendor (which is affected by the sale of goods/service provided)	REF02 where REF01=VX	Mandatory
The correct full name and address of the Customer	N1-N4 where N101=BY	Mandatory
The VAT registration number of Customer -only in case of intracommunity supply or when the customer is liable to pay the VAT	REF02 where REF01=VX	Mandatory
Performance date (when supply of goods or services was completed or in case of advance payment when the payment on account was made) if it is different from the invoice date	DTM02 where DTM01=002	Mandatory
The VAT rate	TXI03 where TXI01=VA	Mandatory
The total payable VAT amount in invoice currency	TXI02 where TXI01=VA	Mandatory
The total payable VAT amount in local currency (HUF) if the sale is subject to HU VAT and the invoice is issued in foreign currency (USD/EUR..)	TXI02 where TXI01=VA and TXI10=CUR02 Need to provide local currency in CUR02	Mandatory
If the transaction is VAT exempt or the customer is liable to pay the VAT (intracommunity supply): any proper indication/comment that refers the supply is exempt or the customer is liable to pay the VAT	TXI05 where TXI01=VA Please check table above (Global tax transaction code)	Mandatory
The total amount in local currency if the invoice currency is different than the local currency (ex for Hungary site: invoice currency is: USD or EUR and local currency is HUF);	TDS02 Need to provide local currency in CUR02	Mandatory

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