EDI TRADING PARTNER SPECIFICATIONS

FOR THE 4010 VERSION OF THE 810 INVOICE

TRANSACTION SET

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I.   ANSI X12 Standards For The 810 Invoice Transaction Set

Narrative

The following section identifies the Generic mapping set of the 810 Invoice Transaction at Version 004010 of the ANSI X12 Standards.

Segments that are not mapped will not be referenced.
Elements within a referenced segment that are not mapped will be identified as "Not Used" under the Comments column.

The Min/Max values indicated in the segment comment line refer to the number of times a segment may appear within a transaction loop as required by Aetna's IFS applications. These numbers may or may not be equal to or less than the Max use limit allowed by the ANSI X12 standards.
Multiple usages indicated in the segment comment line indicates that more than one data field/value are mapped to the same segment element.

See next page for ANSI X12 Segment Description Tables.

ANSI X12 Segment Description Tables

ISA SEGMENT: INTERCHANGE CONTROL HEADER

Comments: **Mandatory Segment.**
                Occurs once in transmission file.
                Also known as the "envelope" information.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	= "00" - No Authorization Information Present
ISA02	I02	Authorization Information	M	AN	10/10	= blanks
ISA03	I03	Security Information Qualifier	M	ID	2/2	= "01" - Password
ISA04	I04	Security Information	M	AN	10/10	= "CAPP/EDI"
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Information supplied by vendor.
ISA06	I06	Interchange Sender ID	M	ID	15/15	Information supplied by vendor. Note: Also used in the GS02 Data Element.
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	= "01" - Duns (Dun & Bradstreet)
ISA08	I07	Interchange Receiver ID	M	ID	15/15	= "042064683" (add a "T" at end for testing). Note: Also used in the GS03 Data Element.
ISA09	I08	Interchange Date	M	DT	6/6	Date transmission took place.
ISA10	I09	Interchange Time	M	TM	4/4	Time transmission took place.
ISA11	I10	Interchange Control Standards ID	M	ID	1/1	= "U" - US EDI Community Of ASC X12
ISA12	I11	Interchange Control Version No.	M	ID	5/5	= "00401"
ISA13	I12	Interchange Control No.	M	NO	9/9	Assigned by Vendor. Has same value as IEA02.
ISA14	I13	Acknowledgment Request	M	ID	1/1	= "0" - Interchange Acknowledgment Requested
ISA15	I14	Test Indicator	M	ID	1/1	= "T" - Test Data or = "P" - Production Data
ISA16	I15	Subelement Separator	M	AN	1/1	= "|" (vertical bar)

ANSI X12 Segment Description Tables

GS SEGMENT: FUNCTIONAL GROUP HEADER

Comments: Mandatory Segment; one time only

Refer Design.	Refer Num.	Title	X12 Type	Len Mn/Mx	Data Element Value Required by Aetna
GS01	479	Functional ID Code	ID	2/2	= "IN"
GS02	142	Application Sender's Code	AN	2/15	= Vendor Supplied Information; same as ISA06
GS03	124	Application Receiver's Code	AN	2/15	= "042064683"' Aetna's DUNS Number (add "T" at end for testing). Also used in the ISA08 Data Element
GS04	373	Date	DT	8/8	Transmission Date
GS05	337	Time	TM	4/8	Transmission Time
GS06	28	Group Control Number	NO	1/9	Internally Generated by EDI system
GS07	455	Responsible Agency Code	ID	1/2	= "X"
GS08	480	Version/Release/Industry ID Code	AN	1/12	= "004010"

ANSI X12 Segment Description Tables

Header

ST SEGMENT: TRANSACTION SET HEADER

Comments: Mandatory Segment.
             Min of 1 and a Max of 1 occurrence within the Transaction Set Header Table 1.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
ST01	143	Transaction Set ID Code	M	ID	3/3	= "810" - Invoice
ST02	329	Transaction Set Control Number	M	AN	4/9	Assigned by Vendor. Has same value as SE02.

ANSI X12 Segment Description Tables

BIG SEGMENT: BEGINNING SEGMENT FOR INVOICE

Comments: Mandatory Segment.
Min of 1 and a Max of 1 occurrence within the Transaction Set Header Table 1.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
BIG01	373	Date	M	DT	8/8	Assigned by Vendor - CCYYMMDD.
BIG02	76	Identifying Invoice Number	M	AN	1/22	Assigned by Vendor.
BIG03	373	Date	O	DT	8/8	Not Used
BIG04	324	Purchase Order Number	O	AN	1/22	The PO Number received in the BEG03 data element of an 850 EDI Purchase Order transaction or an Ariba/Aetna assigned PO Number.
BIG05	328	Release Number	O	AN	1/30	The 1 to 8 character long Release Number received in the BEG04 data element of an 850 EDI Purchase Order transaction or an Aetna assigned PO Release Number. Must be blank if the BEG04 data element was blank.
BIG06	327	Change Order Sequence Number	O	AN	1/8	Not Used
BIG07	640	Transaction Type Code	O	ID	2/2	= "DI" - Debit Invoice. = "CN" - Credit Invoice.

ANSI X12 Segment Description Tables

REF SEGMENT: REFERENCE NUMBERS

Comments: **Optional Segment. (See Note)**
           Two usages representing a Min of 0 and a Max of 2 occurrences within the Transaction Set Header Table 1.
           Usage 1 represents a Min of 0 and a Max of 1 occurrence.
           Usage 2 represents a Min of 0 and a Max of 1 occurrence.
           Usage 3 represents a Min of 0 and a Max of 1 occurrence.

NOTE: **Usage 1 is required on all 810 transactions and may be provided in <u>either</u> the Header or Item Table or in Both.**
           It present at the Header level, the value in REF02 will default to each IT1 occurrence <u>lacking</u> an REF01=T3 segment.
           If not present at the Header level the REF01=T3 segment must be present in <u>every</u> occurrence of an IT1 Segment.
           Usage 2 may or may not be required depending upon the nature of the Purchase Order being invoiced.
           If required, the same rules described for Usage 1 above will apply.
           Usage 1 and Usage 2 need not appear within the same loop.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
REF01	128	Reference Identification Qualifier	M	ID	2/3	Usage 1 = "T3" - Tax Schedule Code Usage 2A = "CA" - Cost Allocation Reference Usage 3 = "VN" – Ariba Order Number
REF02	127	Reference Identification	X	AN	1/30	Usage 1 = The Tax Specification Code received either in the TAX03 data element of an EDI 850 PO transaction or Aetna assigned. Usage 2 = An Aetna assigned Cost Center/Minor Code required when BIG04 is blank. Usage 3 = Ariba PO Number, not a required field
REF03	352	Description	X	AN	1/80	Not Used

ANSI X12 Segment Description Tables

PER SEGMENT: ADMINISTRATIVE COMMUNICATIONS CONTACT

Comments: Optional Segment.
Min of 1 and a Max of 1 occurrence within the Transaction Set Header Table 1.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
PER01	366	Contact Function Code	M	ID	2/2	= "ZZ"
PER02	93	Name	O	AN	1/35	Customer Name (Ariba Requisitioner's Name)
PER03	365	Comm No. Qualifier	X	ID	2/2	Not Used
PER04	364	Comm. Number	X	AN	7/25	Not Used

ANSI X12 Segment Description Tables

IT1 SEGMENT: INVOICE BASELINE ITEM DATA

Comments: **Optional Segment.**
   Min of 0 and a Max of 200000 occurrences within the Table 2 Loop.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
IT101	350	Assigned Identification	O	AN	1/20	The Purchase Order Detail Line number received in the PO101 data element of an EDI 850 Purchase Order Transaction or with Ariba/Aetna assigned PO Numbers. Could be blank if BIG04 is blank.
IT102	358	Quantity Invoiced	X	R	1/10	Quantity Invoiced. (scale-4) Must be negative if a Credit. If greater than 10 significant digits use Segment QTY.
IT103	355	Unit of Measurement Code	X	ID	2/2	2 digit code ONLY The UOM code received in the PO103 data element of an EDI 850 Purchase Order Transaction.
IT104	212	Unit Price	M	R	1/17	Unit Price - can **not** be less than or = to 0.00 (scale-5)
IT105	639	Basis Unit Price Code	O	ID	2/2	Not Used
IT106	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
IT107	234	Product/Service ID	X	AN	1/30	Not Used
Etc.						

ANSI X12 Segment Description Tables

QTY SEGMENT: QUANTITY

Comments: **Optional Segment.**
                Min of 0 and a Max of 1 occurrence within the Table 2 Loop.
                Note: This segment should only be provided if the Quantity has more than 10 significant digits.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
QTY01	673	Quantity Qualifier	M	ID	2/2	= "02" - Cumulative Quantity
QTY02	380	Quantity	X	R	1/15	Quantity Invoiced.(Scale-4)
QTY03	355	Unit of Measurement Code	O	ID	2/2	Not Used

ANSI X12 Segment Description Tables

PID SEGMENT: PRODUCT/ITEM DESCRIPTION

Comments: **Optional Segment.**
                        Min of 0 and a Max of 1 occurrence within the Table 2 Loop.
                        Note: This segment is only required on Invoices for Aetna assigned PO Numbers.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
PID01	349	Item Descr. Type	M	ID	1/1	= "F" - Free Form
PID02	750	Prod/Proc Char Code	O	ID	2/3	Not Used
PID03	348	Agency Qual. Code	X	ID	2/2	Not Used
PID04	751	Product Desc Code	X	AN	1/12	Not Used
PID05	352	Description	X	AN	1/80	Supplier's Product Description.
PID06	752	Surf/Layer Pos. Code	O	ID	2/2	Not Used

ANSI X12 Segment Description Tables

REF SEGMENT: REFERENCE NUMBERS

Comments: Optional Segment. (See Note)

Three usages representing a Min of 0 and a Max of many occurrences within the Table 2 Loop.

Usage 1 represents a Min of 0 and a Max of 1 occurrence.

Usage 2 represents a Min of 0 and a Max of 1 occurrence.

Usage 3 represents a Min of 0 and a Max of many occurrences.

NOTE: Usage 1 is required on all 810 transactions and may be provided in <u>either</u> the Header or Item Table or in Both.

It present at the Header level, the value in REF02 will default to each IT1 occurrence <u>lacking</u> an REF01=T3 segment.

If not present at the Header level the REF01=T3 segment must be present in <u>every</u> occurrence of an IT1 Segment.

Usage 2 may or may not be required depending upon the nature of the Purchase Order being invoiced.

If required, the same rules described for Usage 1 above will apply.

Usage 1 and Usage 2 need not appear within the same loop.

Usage 3 is required when the invoice line is for an asset. The number of occurrences must equal the value in IT102.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
REF01	128	Reference Identification Qualifier	M	ID	2/3	Usage 1 = "T3" - Tax Schedule Code Usage 2A = "CA" - Cost Allocation Reference Usage 3 = "SE" - Serial Number
REF02	127	Reference Identification	X	AN	1/30	Usage 1 = The Tax Specification Code received either in the TAX03 data element of an EDI 850 PO transaction or Aetna assigned. Usage 2A = An Aetna assigned Cost Center/Kind Code required when BIG04 is blank. Usage 3 = Serial Number.
REF03	352	Description	X	AN	1/80	Not Used

ANSI X12 Segment Description Tables

TDS SEGMENT: TOTAL MONETARY VALUE SUMMARY

Comments: **Mandatory Segment.**
Min of 1 and a Max of 1 occurrence within the Transaction Set Total Table 3.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
TDS01	610	Amount	M	N2	1/15	Amount before any discount is applied Must include Total of line items **plus** all applicable taxes **plus** shipping charges **plus** miscellaneous charges. Must be negative for a Credit Invoice.
TDS02	390	Amount Subject to Terms Discount	X	N2	1/10	Not Used
TDS03	391	Discounted Amount Due	O	N2	1/10	Not Used
TDS04	362	Terms Discount Amount	O	N2	1/10	Not Used

ANSI X12 Segment Description Tables

TXI SEGMENT: TAX INFORMATION

Comments: **Optional Segment. DO NOT send this segment if no charges.**
              Min of 0 and a Max of 1 occurrence within the Transaction Set Total Table 3.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
TXI01	963	Tax Type Code	M	ID	2/2	= "LS" - State and Local tax
TXI02	782	Monetary Amount	X	R	1/18	Required if applicable. DO NOT send this segment with a zero charge. All applicable taxes must be added together into this Data Element. Must be negative for a Credit Invoice.
TXI03	954	Percent	X	R	1/10	Not Used
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Not Used
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Not Used
TXI06	441	Tax Exempt Code	X	ID	1/1	Not Used

ANSI X12 Segment Description Tables

SAC SEGMENT: SERVICE, PROMOTION, ALLOWANCE, OR CHARGE

Comments: Optional Segment. DO NOT send this segment if no charges.
Two usages representing a Min of 0 and a Max of 2 occurrences within the Transaction Set Total Table 3 SAC Loop.
Usage 1 represents a Min of 0 and a Max of 1 occurrence.
Usage 2 represents a Min of 0 and a Max of 1 occurrence.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Usage 1: = "C" - Charge Usage 2: = "C" - Charge
SAC02	1300	Service, Promotion, Allowance or Charge	X	ID	4/4	Usage 1: = "D240" - Freight Usage 2: = "F050" - Other
SAC03	559	Agency Qualifier Code	X	ID	2/2	Not Used
SAC04	1301	Agency Service, Promotion, Allowance or Charge Code	X	AN	1/10	Not Used
SAC05	610	Amount	O	N2	1/15	Usage 1: Total Freight Charges. Usage 2: Total Other Charges. Must be negative for a Credit Invoice. DO NOT send the segment if no charges. No decimal
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Not Used
SAC07	332	Percent	X	R	1/6	Not Used
SAC08	118	Rate	O	R	1/9	Not Used
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Not Used
SAC10	380	Quantity	X	R	1/15	Not Used
SAC11	380	Quantity	O	R	1/15	Not Used
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Usage 1: = "06" - Charge to be paid by customer Usage 2: = "06" - Charge to be paid by customer
SAC13	127	Reference Identification	X	AN	1/30	Not Used
SAC14	770	Option Number	O	AN	1/20	Not Used
SAC15	352	Description	X	AN	1/80	Not Used
SAC16	819	Language Code	O	ID	2/3	Not Used

ANSI X12 Segment Description Tables

SE SEGMENT: TRANSACTION SET TRAILER

Comments: **Mandatory Segment.**
              Min of 1 and a Max of 1 occurrence within the Transaction Set Total Table 3.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
SE01	96	Number of Included Segments	M	NO	1/10	Total number of segments in transaction set including ST and SE segments.
SE02	329	Transaction Set Control Number	M	AN	4/9	Assigned by Vendor. Has same value as ST02.

ANSI X12 Segment Description Tables

GE SEGMENT: FUNCTIONAL GROUP TRAILER

Comments: mandatory segment, 1 time only

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
GE01		Num of Trans Sets	M	NO	1/7	How many transaction sets sent
GE02		Group Control Num	M	NO	1/9	Must match GS06

ANSI X12 Segment Description Tables

IEA SEGMENT: INTERCHANGE CONTROL TRAILER

Comments: **Mandatory Segment.**
Occurs once in transmission file.

Refer Design.	Refer Num.	Title	Req. Des.	Type	Len Mn/Mx	Comments
IEA01	I16	Number of Included Groups	M	NO	1/5	Number of functional groups included in transmission.
IEA02	I12	Interchange Control Number	M	NO	9/9	Assigned by Vendor. Has same value as ISA13.