

AGILENT/ANSI EDI INVOICE Mapping Guideline for Oracle

TRANSACTION SET 810 (INBOUND) Version 003, Release 020

Interchange / Functional Group / Transaction Set Overall Layout Diagram

Agilent Parts/Supplies/Services Supplier

ISA	Interchange Control Header_____ (OUTER Envelope)_____
GS	Functional Group Header_____ (INNER Envelope)_____ "Invoice" transactions for Agilent's Global Financial Services
<u>Invoice Header Area</u>	
ST	Transaction Set Header_____ (INVOICE)_____ "810" Invoice
BIG	Beginning segment for Invoice (Invoice number, PO number, etc.)
NTE	Additional Invoice Comments
CUR	Currency
N1	Remit to/Payee name
<u>Line Item Detail Area</u>	
IT1	Baseline item data (qty, unit price, etc.)_____ (LOOP)_____
PID	Product/service description
REF	Reference Numbers (shipment number) _____
<u>Summary Area</u>	
TDS	Total Monetary Value Summary
TXI	Tax Charges (if applicable)
ITA	Freight Charges (if applicable)
CTT	Transaction totals
SE	Transaction Set Trailer_____ (INVOICE)_____
GE	Functional Group Trailer_____ (INNER Envelope)_____
IEA	Interchange Control Trailer_____ (OUTER Envelope)_____

AGILENT/ANSI EDI INVOICE Mapping Guideline for Oracle

TRANSACTION SET 810 (INBOUND) Version 003, Release 020 **Interchange / Functional Group / Transaction Set** **Segment / Element Format**

Segment	Element ID	ANSI No.	Segment/Element Name	Explanation/Specifications	EDI Usage	Data Type	Min/Max
---------	------------	----------	----------------------	----------------------------	-----------	-----------	---------

ISA		Interchange Control Header			M		
ISA01	I01	Authorization Info. Qualifier	Use "00" (no authorization information).	M	ID	2/2	
ISA02	I02	Authorization Info.	Use blanks.	M	AN	10/10	
ISA03	I03	Security Info. Qualifier	Use "00" (no security information).	M	ID	2/2	
ISA04	I04	Security Info.	Use blanks.	M	AN	10/10	
ISA05	I05	Interchange ID Qualifier	Usually "01" (DUNS) or "ZZ", varies by trading partner.	M	ID	2/2	
ISA06	I06	Interchange Sender ID	Usually DUNS, varies by trading partner.	M	AN	15/15	
ISA07	I05	Interchange ID Qualifier	<u>Must</u> be "14" for the testing phase. Change to "01" when in a production mode.	M	ID	2/2	
ISA08	I07	Interchange Receiver ID	<u>Must</u> be Agilent's DUNS No. (084963177TEST for testing)	M	AN	15/15	
ISA09	I08	Interchange Date	Date, YYMMDD format.	M	DT	6/6	
ISA10	I09	Interchange Time	Time, HHMM format, express in 24-hr clock.	M	TM	4/4	
ISA11	I10	Interchange Control ID	Must be "U". (U.S. EDI community).	M	ID	1/1	
ISA12	I11	Interchange Version Number	Please inform the GFS contact which version you will be using. ("00300", "00302", etc)	M	ID	5/5	
ISA13	I12	Interchange Control Number	Must equal IEA02 at end of the interchange data.	M	N0	9/9	
ISA14	I13	Acknowledgement Requested	Always "0"	M	ID	1/1	
ISA15	I14	Test Indicator	T-Test, P-Prod. "T" HAS to be used during the testing phase. Change to "P" when testing successfully completed	M	ID	1/1	
ISA16	I15	Subelement Separator	Defined by trading partner. Unique character not used in any descriptions.	M	AN	1/1	

Segment	Element ID	ANSI No.	Segment/ Element Name	Explanation/ Specifications	EDI Usage	Data Type	Min/ Max
---------	------------	----------	--------------------------	--------------------------------	-----------	-----------	-------------

GS			Functional Group Header		M		
	GS01	479	Functional ID Code	Must be "IN" (for INvoice).	M	ID	2/2
	GS02	142	Application Sender's Code	Specified by trading partner, may be same as ISA06 above.	M	AN	2/15
	GS03	124	Application Receiver's Code	This could vary. Agilent will provide the code in advance for the Operating Unit to be invoiced.	M	AN	2/15
	GS04	373	Date	Date, YYMMDD format.	M	DT	6/6
	GS05	337	Time	Time, HHMM format, express in 24-hr clock.	M	TM	4/6
	GS06	28	Group Control Number	"Group/Batch Control Number" originated and <u>sequentially incremented by trading partner for each file sent</u> , must equal GE02 at the end of the group data.	M	N0	1/9
	GS07	455	Responsible Agency Code	Always "X" for ASC X12 Standards Committee.	M	ID	1/2
	GS08	480	Version / Release / Industry ID Code	Must be "003020" for Version 3, Release 2.	M	AN	1/12

Invoice Header Information

ST			Transaction Set Header		M		
	ST01	143	Transaction Set ID Code	Must be "810" for invoices.	M	ID	3/3
	ST02	329	Transaction Set Control Number	Assigned and sequentially maintained by trading partner, must be equal to SE02 at the end of each invoice transaction set.	M	AN	4/9

Segment	Element ID	ANSI No.	Segment/ Element Name	Explanation/ Specifications	EDI Usage	Data Type	Min/ Max
---------	------------	----------	--------------------------	--------------------------------	-----------	-----------	-------------

BIG			Beginning segment for Invoice		M		
	BIG01	245	Invoice Date	Required field. YYMMDD format.	M	DT	6/6
	BIG02	76	Invoice Number	Required field.	M	AN	1/22
	BIG03	323	P.O. Date	Not used for Agilent inbound 810 invoices.	O	DT	6/6
	BIG04	324	P.O. Number	Required. EDI invoices received without a valid Agilent PO number will not be accepted by the system.	O	AN	1/22
	BIG05	328	Release Number	Optional. If there is a “-“ in the PO number, this would be the number to the right of the dash.	O	AN	1/30
	BIG06	327	Change Order Sequence Number	Not used for Agilent inbound 810 invoices.	O	AN	1/8
	BIG07	640	Transaction Type Code	Not used for Agilent inbound 810 invoices.	O	ID	2/2

NTE			Note/Special Instruction		O		
	NTE01	363	Note Ref. Code	Send to “GEN” to indicate that this is a general note that applies to the entire invoice.	O	ID	3/3
	NTE02	3	Free-form Message	Use this element to send information such as the billing period covered by this invoice.	M	AN	1/60

Segment	Element ID	ANSI No.	Segment/Element Name	Explanation/Specifications	EDI Usage	Data Type	Min/Max
---------	------------	----------	----------------------	----------------------------	-----------	-----------	---------

CUR			Currency		O			
			Note: Send this segment only if the billing currency is different from the currency stated on Agilent's PO.					
	CUR01	98	Entity ID Code	Send "ZZ" or any other valid ANSI code for this element.	M	ID	2/2	
	CUR02	100	Currency Code	Use the Standard ISO code for the country currency being billed.	M	ID	3/3	
	CUR03	280	Exchange Rate	Not used for Agilent inbound 810 invoices.	O	R	4/6	
	CUR04	98	Entity ID Code	Not used for Agilent inbound 810 invoices.	O	ID	2/2	
	CUR05	100	Currency Code	Not used for Agilent inbound 810 invoices.	O	ID	3/3	
	CUR06	669	Curr. Mrkt/Exch. Code	Not used for Agilent inbound 810 invoices.	O	ID	3/3	
	CUR07	374	Date/Time Qualifier	Not used for Agilent inbound 810 invoices.	X	ID	3/3	
	CUR08	373	Date	Not used for Agilent inbound 810 invoices.	O	DT	6/6	
	CUR09	337	Time	Not used for Agilent inbound 810 invoices.	O	TM	4/6	
	CUR10-CUR21	374	Date/Time Qualifier	Additional date, time and qualifier codes not used for Agilent inbound 810 invoices.	X	ID	3/3	
		373	Date		O	DT	6/6	
		337	Time		O	TM	4/6	

N1			Name		O		
	N101	98	Entity ID Code	Set to "RE" for "remit to".	M	ID	2/2
	N102	93	Name	PLEASE USE UPPER CASE. Set to your company name as it should appear on remittance checks. Should be consistent on all transmissions.	X	AN	1/35
	N103	66	ID Code Qualifier	Not used for Agilent inbound 810 invoices.	X	ID	1/2
	N104	67	ID Code	Not used for Agilent inbound 810 invoices.	X	AN	2/17

Segment	Element ID	ANSI No.	Segment/Element Name	Explanation/Specifications	EDI Usage	Data Type	Min/Max
---------	------------	----------	----------------------	----------------------------	-----------	-----------	---------

Invoice Line Item Detail Information

IT1			Baseline Item Data		O		
			<p><u>Note</u>: Detail segments of IT1 through PID below create a "loop". Each invoice should have at least one IT1 loop, for the Agilent PO being billed. The IT1 segment is required by Agilent GFS to be able to process payments.</p>				
	IT101	350	Assigned Identification	Optional. If sent, this element must equal the line number from the original Agilent PO that references the item being invoiced. <u>If this cannot be done (e.g., if this is simply the invoice line number), please do not sent this element.</u> If sending the Agilent part number in IT107, this element does not need to be sent. If sending a part description in PID05, this element does not need to be sent.	O	AN	1/11
	IT102	358	Quantity Invoiced	Required field. Quantity actually shipped to Agilent.	M	R	1/10
	IT103	355	Unit of Measure Code	Required field.	M	ID	2/2
	IT104	212	Unit Price	Required field. If the unit price includes fractions of a monetary unit, a decimal point must be sent.	M	R	1/14
	IT105	639	Basis Unit Price Code	Not used for Agilent inbound 810 invoices.	O	ID	2/2
	IT106	234	Product/Service ID Qualifier	Use "BP" to indicate buyer part number.	O	ID	2/2
	IT107	235	Product/Service ID	The Agilent part number must be put here if IT106 is populated.	X	AN	1/30
	IT108-IT125	235	Product/Service ID Qualifier	Additional ID's and qualifier codes not used for Agilent inbound 810 invoices.	O	ID	2/2
		234	Product/Service ID		X	AN	1/30

Segment	Element ID	ANSI No.	Segment/ Element Name	Explanation/ Specifications	EDI Usage	Data Type	Min/ Max
---------	------------	----------	--------------------------	--------------------------------	-----------	-----------	-------------

PID			Product/Item Description		O		
			Note: Use this segment only if you can accurately capture the description from the Agilent PO and send it back on the invoice. If sending the part number in IT107, the PID is not necessary.				
	PID01	349	Item Description Type	Must be set to "F" for free-form.	M	ID	1/1
	PID02	750	Product/Process Characteristic Code	Not used for Agilent inbound 810 invoices.	O	ID	2/3
	PID03	559	Agency Qual. Code	Not used for Agilent inbound 810 invoices.	X	ID	2/2
	PID04	751	Product Description Code	Not used for Agilent inbound 810 invoices.	X	ID	1/12
	PID05	352	Description	This description MUST exactly match (case sensitive) the description on the PO.	X	AN	1/80
	PID06	752	Surface/Layer/Pos. Code	Not used for Agilent inbound 810 invoices.	O	ID	2/2

REF			Reference Numbers (Shipment Number)		O		
			Note: If receiving PO's via EDI, the shipment number to turnaround in this segment will be in the PO element SCH11. If this shipment number cannot be tracked, please don't send this segment.				
	REF01	128	Reference No. Qual.	Use "SS" to indicate shipment number.	M	ID	2/2
	REF02	127	Reference No.	This field will contain the delivery schedule number (shipment number) within the PO line number being sent.	X	AN	1/30
	REF03	352	Description	Not used for Agilent inbound 810 invoices.	X	AN	1/80

Segment	Element ID	ANSI No.	Segment/ Element Name	Explanation/ Specifications	EDI Usage	Data Type	Min/ Max
---------	------------	----------	--------------------------	--------------------------------	-----------	-----------	-------------

Invoice Summary Information

TDS			Total Monetary Value Summary		M		
	TDS01	361	Total Invoice Amount	Total monetary amount of the invoice including any tax. <u>Note:</u> this total amount has an implied 2 decimal places, and the decimal character (".") should <i>not</i> be sent.	M	N2	1/10
	TDS02	390	Amount Subject to Terms Discount	Not used for Agilent inbound 810 invoices.	X	N2	1/10
	TDS03	391	Discounted Amount Due	Not used for Agilent inbound 810 invoices.	O	N2	1/10
	TDS04	362	Terms Discount Amount	Not used for Agilent inbound 810 invoices.	O	N2	1/10

TXI			Tax Information		O		
	TXI01	963	Tax Type Code	Send ‘SU’.	M	ID	2/2
	TXI02	782	Monetary Value	This will equal the monetary amount charged to Agilent for tax. If this amount includes a fraction of a monetary unit, include the decimal point.	X	R	1/15
	TXI03	954	Percent	Not used for Agilent inbound 810 invoices.	X	R	1/10
	TXI04	955	Tax Juris Code Qual	Not used for Agilent inbound 810 invoices.	X	ID	2/2
	TXI05	956	Tax Juris Code	Not used for Agilent inbound 810 invoices.	X	AN	1/10
	TXI06	441	Tax Exempt Code	Not used for Agilent inbound 810 invoices.	X	ID	1/1

Segment	Element ID	ANSI No.	Segment/ Element Name	Explanation/ Specifications	EDI Usage	Data Type	Min/ Max	
ITA			Allowance, Charge or Service		O			
			Note: This segment will be used for any freight or other charges that need to be included on the invoice. Please send any tax charges in a TXI segment.					
	ITA01	248	Allowance/Charge Indicator	Use "C" to indicate the charges are to be paid by Agilent.	M	ID	1/1	
	ITA02	559	Agency Qual. Code	Not used for Agilent inbound 810 invoices.	O	ID	2/2	
	ITA03	560	Special Service Code	Not used for Agilent inbound 810 invoices.	X	ID	2/10	
	ITA04	331	Method of Handling Code	Send "06".	M	ID	2/2	
	ITA05	341	Allowance or Charge Number	Not used for Agilent inbound 810 invoices.	O	AN	1/16	
	ITA06	359	Allowance/Charge Rate	Not used for Agilent inbound 810 invoices.	O	R	1/9	
	ITA07	360	Allowance or Charge Total Amount	Amount of the freight or other charge. The decimal character (".") should not be sent in the transaction. If whole dollars are billed with no cents, "00" after the dollars should be sent to indicate the decimal place.	O	N2	1/9	
	ITA08	378	Allowance or Charge % Qualifier	Not used for Agilent inbound 810 invoices.	O	ID	1/1	
	ITA09	332	Allowance or Charge %	Not used for Agilent inbound 810 invoices.	X	R	1/6	
	ITA10	339	Allowance or Charge Quantity	Not used for Agilent inbound 810 invoices.	O	R	1/10	
	ITA11	355	Unit of Measure Code	Not used for Agilent inbound 810 invoices.	X	ID	2/2	
	ITA12	380	Quantity	Not used for Agilent inbound 810 invoices.	O	R	1/15	
	ITA13	352	Description	Not used for Agilent inbound 810 invoices.	X	AN	1/80	
	ITA14	150	Special Charge or Allowance	Use "400" to indicate freight.	X	ID	3/3	

Segment	Element ID	ANSI No.	Segment/Element Name	Explanation/Specifications	EDI Usage	Data Type	Min/Max
---------	------------	----------	----------------------	----------------------------	-----------	-----------	---------

CTT			Transaction Totals		M		
	CTT01	354	Number of Line Items	Required. Should equal the number of IT1 segments.	M	N0	1/6
	CTT02	347	Hash Total	Not used for Agilent inbound 810 invoices.	O	R	1/10
	CTT03	81	Weight	Not used for Agilent inbound 810 invoices.	O	R	1/8
	CTT04	355	Unit of Meas. Code	Not used for Agilent inbound 810 invoices.	X	ID	2/2
	CTT05	183	Volume	Not used for Agilent inbound 810 invoices.	O	R	1/8
	CTT06	355	Unit of Meas. Code	Not used for Agilent inbound 810 invoices.	X	ID	2/2
	CTT07	352	Description	Not used for Agilent inbound 810 invoices.	O	AN	1/80

SE			Transaction Set Trailer		M		
	SE01	96	Number of Included Segments	Number of EDI segments in this invoice transaction set, including ST and (this) SE segments.	M	N0	1/6
	SE02	329	Transaction Set Control Number	Assigned and sequentially maintained by the trading partner, must be equal to ST02 at the beginning of each invoice transaction set.	M	AN	4/9

Segment	Element ID	ANSI No.	Segment/Element Name	Explanation/Specifications	EDI Usage	Data Type	Min/Max
---------	------------	----------	----------------------	----------------------------	-----------	-----------	---------

GE			Functional Group Trailer		M		
			Note: this segment will immediately follow the SE segment for the last Invoice transaction set included in this group/"inner envelope" file.				
	GE01	97	Number of Included Sets	Total number of invoice transaction sets included in this functional group.	M	N0	1/6
	GE02	28	Group Control Number	"Group/Batch Control No." originated and <u>sequentially incremented by trading partner for each file sent</u> , must equal GS06 at the beginning of the group data.	M	N0	1/9

IEA			Interchange Control Trailer		M		
	IEA01	I16	Number of Included Functional Groups	Total number of groups of transaction sets included in this interchange.	M	N0	1/5
	IEA02	I12	Interchange Control Number	Must match ISA13 at the beginning of the interchange data.	M	N0	9/9

(Sample EDI transmission follows).

Example EDI Invoice transmission:

ISA*00* *00* *01*883337727 *14*084963177TEST *020316*1430
*U*00300*000000163*0*T*<.

GS*IN*12345678*US8213*020316*1430*163*X*003020.

ST*810*84001.
BIG*020316*21478**9000000100*1.
CUR*ZZ*JPY.
N1*RE*ABC COMPANY.
IT1**50*EA*25.15**BP*1645-1910.
REF*SS*1.
TDS*126750.
ITA*C***06***1000*****400.
CTT*1.
SE*10*84001.

ST*810*84002.
BIG*020316*22112**9000000099.
N1*RE*ABC COMPANY.
IT1**1500*EA*1.
PID*F****Consulting Services.
TDS*150000.
CTT*1.
SE*8*84002.

ST*810*84003.
BIG*020316*22112-1**9000000101.
NTE*GEN*BILLING PERIOD 02/15/02 to 03/15/02.
N1*RE*ABC COMPANY.
IT1*2*1*EA*15039.31.
TDS*1528956.
TXI*SU*250.25
CTT*1.
SE*9*84003.

.
.
.

GE*000065*163.

IEA*00001*000000163.

(END OF DOCUMENT).