811 Consolidated Service Invoice/Statement

Functional Group ID= ${\color{blue}CI}$

Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Consolidated Service Invoice/Statement Transaction Set (811) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides for the billing or reporting of complex and structured service invoice/statement detail. This standard can be used by organizations who are interested in sending or receiving either consolidated or standalone invoices for service arrangements which require processing other than that done for the typical product invoice. The Consolidated Service Invoice/Statement can be used as a credit/debit memo to differentiate between payable invoice items and information-only memo items. This transaction set should not be used as a standalone notification of a credit/debit adjustment.

Heading:

M	Pos. <u>No.</u> 0100	Seg. <u>ID</u> ST	Name Transaction Set Header	Req. Des. M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
M	0200	BIG	Beginning Segment for Invoice	M	1		
Must Use	0800	DTM	Date/Time Reference	O	2		
			LOOP ID - N1			2	
Must Use	1000	N1	Party Identification	O	1		
Must Use	1500	PER	Administrative Communications Contact	O	1		

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	2,00		LOOP ID - HL	200	1120111000	>1	
M	0100	HL	Hierarchical Level	M	1		
			LOOP ID - IT1			1	
Must Use	2100	IT1	Baseline Item Data (Invoice)	O	1		
Must Use	2830	LQ	Industry Code Identification	O	2		
			LOOP ID - QTY			1	
	2900	QTY	Quantity Information	O	1		
			LOOP ID - NM1			1	
Must Use	3400	NM1	Individual or Organizational Name	O	1		
	3875	REF	Reference Information	O	1		
			LOOP ID - HL			>1	
Must Use	7600	HL	Hierarchical Level	O	1		
			LOOP ID - IT1			1	
Must Use	7700	IT1	Baseline Item Data (Invoice)	O	1		
	7850	DTM	Date/Time Reference	O	1		
			LOOP ID - NM1			2	

Must Use	8000	NM1	Individual or Organizational Name	O	1		
Must Use	8200	LCD	Place/Location Description	O	2		
			LOOP ID - HL			>1	
Must Use	8300	HL	Hierarchical Level	O	1		
			LOOP ID - IT1			999999	
Must Use	8400	IT1	Baseline Item Data (Invoice)	O	1		
Must Use	8500	DTM	Date/Time Reference	O	1		
Must Use	8600	LQ	Industry Code Identification	O	3		
			LOOP ID - QTY			11	
Must Use	8800	QTY	Quantity Information	O	1		

Summary:

	Pos.	Seg.		Req.		Loop	Notes and
	No.	<u>ID</u>	<u>Name</u>	Des.	Max.Use	Repeat	Comments
M	0100	TDS	Total Monetary Value Summary	M	1		
M	1200	SE	Transaction Set Trailer	M	1		

Segment: ST Transaction Set Header

Position: 0100

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

	Ref.	Data					
	Des.	Element	Name		Attr	<u>ibut</u>	es
M	ST01	143	Transactio	on Set Identifier Code	\mathbf{M}	1	ID 3/3
			Code uniqu	uely identifying a Transaction Set			
			811	Consolidated Service Invoice/Statem	nent		
M	ST02	329	Transactio	on Set Control Number	M	1	AN 4/9
				control number that must be unique within the group assigned by the originator for a transact			n set

Segment: BIG Beginning Segment for Invoice

Position: 0200

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Ref.	Data				
Des.	Element	Name	Attri	ibut	es
BIG01	373	Date	M	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the of the calendar year	e first t	two	digits
		The date the statement was generated.			
BIG02	76	Invoice Number	M	1	AN 1/22
		Identifying number assigned by issuer			
		The statement number assigned by the statement preparer			
BIG07	640	Transaction Type Code	O	1	ID 2/2
		Code specifying the type of transaction			
		F6 Shipper Imbalance			
	Des. BIG01 BIG02	Des. Element BIG01 373	Des. BIG01 S73 Date Date expressed as CCYYMMDD where CC represents the of the calendar year The date the statement was generated. BIG02 76 Invoice Number Identifying number assigned by issuer The statement number assigned by the statement preparer. BIG07 640 Transaction Type Code Code specifying the type of transaction	Des. BIG01 Element 373 Name Date Attribute BIG01 Date expressed as CCYYMMDD where CC represents the first of the calendar year The date the statement was generated. BIG02 The invoice Number in the statement prepared by issuer in the statement number assigned by the statement preparer. BIG07 640 Transaction Type Code Code specifying the type of transaction O	Des. BIG01Element 373Name DateAttribute MDate expressed as CCYYMMDD where CC represents the first two of the calendar year The date the statement was generated.BIG0276Invoice Number Identifying number assigned by issuer

Segment: DTM Date/Time Reference

Position: 0800

Loop:

Level: Heading

Usage: Optional (Must Use)

Max Use: 2

Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

	Ref.	Data					
	Des.	Element	<u>Name</u>	_	Attri	bute	es
M	DTM01	374	Date/Time Qualifi	der	\mathbf{M}	1	ID 3/3
			Code specifying ty	pe of date or time, or both date and time	e		
			Refer to "DTM Seg	gments (Heading)" table for usage and v	alues.		
			102	Issue			
			582	Report Period			
>>	DTM05	1250	Date Time Period	Format Qualifier	X	1	ID 2/3
			Code indicating the	e date format, time format, or date and t	ime for	rma	t
			Refer to "DTM Seg	gments (Heading)" table for usage and v	alues.		
			D8	Date Expressed in Format CCYYMM	DD		
			DT	Date and Time Expressed in Format			
				CCYYMMDDHHMM			
>>	DTM06	1251	Date Time Period		X	1	AN 1/35

Expression of a date, a time, or range of dates, times or dates and times Refer to "DTM Segments (Heading)" table for usage and values.

Accounting Period, Statement Date/Time

Segment: N1 Party Identification

Position: 1000

Loop: N1 Optional (Must Use)

Level: Heading

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory and should occur once for each value

in the N101 element.

	Ref.	Data					
	Des.	Element	<u>Name</u>		Attr	ibut	es
M	N101	98	Entity Identifier	Code	M	1	ID 2/3
			Code identifying a an individual	n organizational entity, a physical loca	tion, pı	roper	rty or
			40	Receiver			
				Statement Recipient ID			
			41	Submitter			
				Preparer ID			
>>	N103	66	Identification Cod	de Qualifier	X	1	ID 1/2
			Code designating to Identification Code	the system/method of code structure use (67)	ed for		
				ually agree to use the Transportation Scode when the D-U-N-S® Number is n			
			1	D-U-N-S Number, Dun & Bradstreet			
				For NAESB WGQ, this code value me when sending the Statement Recipier ID.	•	•	
>>	N104	67	Identification Co	de	X	1	AN 2/17
			Code identifying a	party or other code			
			Statement Recipier	nt ID, Preparer ID			
			The data element r specified in the AS	naximum length indicated is reduced from the contract of the c	om tha	at wh	nich is

Segment: **PER** Administrative Communications Contact

Position: 1500

Loop: N1 Optional (Must Use)

Level: Heading

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory. It may only be sent the Preparer ID

N1 loop (N101 = '41').

Data Element Summary

	Ref.	Data				
	Des.	Element	<u>Name</u>	Attri	ibut	es
M	PER01	366	Contact Function Code	M	1	ID 2/2
			Code identifying the major duty or responsibility of the named	person o	or gro	oup
			IC Information Contact			
>>	PER02	93	Name	0	1	AN 1/35
			Free-form name			
			Contact Person (Name)			
			The data element maximum length indicated is reduced specified in the ASC X12 standards.	from tha	ıt wh	nich is
>>	PER03	365	Communication Number Qualifier	X	1	ID 2/2
			Code identifying the type of communication number			
			TE Telephone			
>>	PER04	364	Communication Number	X	1	AN 1/80
			Complete communications number including country or applicable	area co	de w	hen
			Contact Person (Phone)			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **HL** Hierarchical Level

Position: 0100

Loop: HL Mandatory

Level: Detail
Usage: Mandatory

Max Use: 1

	Ref.	Data					
	Des.	Element	<u>Name</u>		Attributes		
M	HL01	628	Hierarchical ID N	Number	\mathbf{M}	1	AN 1/12
			A unique number a segment in a hiera	assigned by the sender to identify a part rchical structure	ticular	data	
			sequential line iter	n number			
M	HL03	735	Hierarchical Leve	el Code	M	1	ID 1/2
			Code defining the	characteristic of a level in a hierarchica	al struc	ture	
			IB	Contract			

Position: 2100

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
>>	IT101	350	Assigned Identification	O 1 AN 1/20

Alphanumeric characters assigned for differentiation within a transaction

set

Segment: LQ Industry Code Identification

Position: 2830

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 2

Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

	Ref.	Data					
	Des.	Element	<u>Name</u>		Attr	ibut	es
>>	LQ01	1270	Code List Qu	alifier Code	O	1	ID 1/3
			Code identifyi	ng a specific industry code list			
			Refer to "LQ S	Segments (Detail - HL03 = 'IB')" table fo	r usage a	nd v	alues.
			IRT	Imbalance Reporting Type			
>>	LQ02	1271	Industry Cod	e	\mathbf{X}	1	AN 1/30
			Code indicatin	g a code from a specific industry code li	st		
			Refer to "LQ S	Segments (Detail - HL03 = 'IB')" table fo	r usage a	nd v	alues.

Imbalance Reporting Type

Segment: \mathbf{QTY} Quantity Information

Position: 2900

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use: 1

Notes: For NAESB WGQ, this segment is conditional.

	Ref.	Data					
	Des.	Element	<u>Name</u>		Attr	ibut	es
M	QTY01	673	Quantity Qu	alifier	M	1	ID 2/2
			Code specifyi	ing the type of quantity			
			CB	Closing Statement Balance			
>>	QTY02	380	Quantity		X	1	R 1/15
			Numeric valu	e of quantity			
			Ending Imbal	ance Quantity			

Segment: NM1 Individual or Organizational Name

Position: 3400

Loop: NM1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

			Duta Element	, annual j			
	Ref.	Data					
	Des.	Element	<u>Name</u>	_	Attri	bute	es
M	NM101	98	Entity Identifier Code		M	1	ID 2/3
			Code identifying an organ individual	ganizational entity, a physical locat	ion, pr	oper	ty or
			78 Sei	rvice Requester			
M	NM102	1065	Entity Type Qualifier		M	1	ID 1/1
			Code qualifying the typ	oe of entity			
			3 Un	known			
>>	NM108	66	Identification Code Q	ualifier	X	1	ID 1/2
			Code designating the sylldentification Code (67	ystem/method of code structure use ()	ed for		
			<u> -</u>	agree to use the Transportation Sewhen the D-U-N-S® Number is no			
			1 D-1	U-N-S Number, Dun & Bradstreet			
				r NAESB WGQ, this code value m ten sending the Service Requester I		y be	used
>>	NM109	67	Identification Code		X	1	AN 2/17

Code identifying a party or other code

Service Requester ID

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **REF** Reference Information

Position: 3875

Loop: NM1 Optional (Must Use)

Level: Detail Usage: Optional

Max Use: 1

Notes: For NAESB WGQ, this segment is conditional.

Data Element Summary

	Ref.	Data							
	Des.	Element	<u>Name</u>	<u>-</u>	Attr	ibut	es		
M	REF01	128	Reference l	Identification Qualifier	M	1	ID 2/3		
			Code qualif	Code qualifying the Reference Identification					
			KSR	Service Requester Contract Identifier					
>>	REF02	127	Reference 1	Identification	X	1	AN 1/30		
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
			Service Req	uester Contract					

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: HL Hierarchical Level

Position: 7600

Loop: HL Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory.

	Ref.	Data						
	Des.	Element	<u>Name</u>	<u>Attributes</u>				
M	HL01	628	Hierarchical ID Number	\mathbf{M}	1	AN 1/12		
			A unique number assigned by the sender to identify a partisegment in a hierarchical structure	cular c	lata			
			sequential line item number					
>>	HL02	734	Hierarchical Parent ID Number	0	1	AN 1/12		
			Identification number of the next higher hierarchical data data segment being described is subordinate to	segmei	nt th	at the		
			This element contains the sequential line item number (HI Contract level loop (HL03 = 'IB') to which this detail loop					
M	HL03	735	Hierarchical Level Code	M	1	ID 1/2		
			Code defining the characteristic of a level in a hierarchical	l struct	ure			
			9 Line Detail					

Position: 7700

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
>>	IT101	350	Assigned Identification	O 1 AN 1/20

Alphanumeric characters assigned for differentiation within a transaction

set

Segment: DTM Date/Time Reference

Position: 7850

Loop: IT1 Optional (Must Use)

Level: Detail
Usage: Optional

Max Use: 1

Notes: For NAESB WGQ, this segment is conditional.

	Ref.	Data					
	Des.	Element	<u>Name</u>	<u>-</u>	Attri	bute	es
M	DTM01	374	Date/Time Qualif	ier	M	1	ID 3/3
			Code specifying ty	pe of date or time, or both date and tim	e		
			IMB	Imbalance Period			
>>	DTM05	1250	Date Time Period	l Format Qualifier	\mathbf{X}	1	ID 2/3
			Code indicating th	e date format, time format, or date and	time fo	rma	t
			CM	Date in Format CCYYMM			
>>	DTM06	1251	Date Time Period	l	\mathbf{X}	1	AN 1/35
			Expression of a da	te, a time, or range of dates, times or da	ites and	l tim	es
			Imbalance Period				

Segment: NM1 Individual or Organizational Name

Position: 8000

Loop: NM1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory and should be sent for at least one of

the values in the NM101 element.

Data Element Summary

	Ref.	Data							
	Des.	Element	<u>Name</u>	_	Attr	ibut	es		
M	NM101	98	Entity Identifier 	Code	\mathbf{M}	1	ID 2/3		
			Code identifying a an individual	n organizational entity, a physical local	tion, pı	ropei	ty or		
			DW	Downstream Party					
			US	Upstream Party					
M	NM102	1065	Entity Type Qual	ifier	M	1	ID 1/1		
			Code qualifying th	e type of entity					
			3	Unknown					
>>	NM108	66	Identification Cod	de Qualifier	X	1	ID 1/2		
			Code designating to Identification Code	the system/method of code structure use (67)	ed for				
			Parties should mutually agree to use the Transportation Service Provider's proprietary entity code when the D-U-N-S® Number is not available.						
			1	D-U-N-S Number, Dun & Bradstreet					
				For NAESB WGQ, this code value me when sending the Downstream Identi Upstream Identifier Code.	•	•			
>>	NM109	67	Identification Cod	de	X	1	AN 2/17		
			C 1 :1 ::C :	1 1					

Code identifying a party or other code

Downstream Identifier Code, Upstream Identifier Code

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: LCD Place/Location Description

Position: 8200

Loop: NM1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 2

Notes: For NAESB WGQ, this segment is mandatory and should be sent for at least one of

the values 'M2' or 'MQ' in the LCD02 element.

	Ref.	Data						
	Des.	Element	<u>Name</u>		Attr	ibut	es	
>>	LCD02	98	Entity Identifier (Code	0	1	ID 2/3	
			Code identifying a an individual	n organizational entity, a physical loca	tion, p	roper	ty or	
			Refer to "LCD Seg values.	gments (Sub-detail - HL03 = '9')" table	for usa	ige a	nd	
			M2	Receipt Location				
			MQ	Delivery Location				
>>	LCD05	66	Identification Cod	le Qualifier	X	1	ID 1/2	
			Code designating the system/method of code structure used for Identification Code (67)					
			Refer to "LCD Seg values.	gments (Sub-detail - HL03 = '9')" table	for usa	ige a	nd	
			SV	Service Provider Number				
>>	LCD06	67	Identification Cod	le	X	1	AN 2/17	
			Code identifying a	party or other code				
			Refer to "LCD Seg values.	gments (Sub-detail - HL03 = '9')" table	for usa	ige a	nd	
			Delivery Location,	Receipt Location				
			The data element in specified in the AS	naximum length indicated is reduced f C X12 standards.	rom tha	at wh	nich is	

Segment: HL Hierarchical Level

Position: 8300

Loop: HL Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory.

	Ref.	Data				
	Des.	Element	<u>Name</u>	Attributes		
M	HL01	628	Hierarchical ID Number	\mathbf{M}	1	AN 1/12
			A unique number assigned by the sender to identify a pasegment in a hierarchical structure	ırticular	data	
			sequential line item number			
>>	HL02	734	Hierarchical Parent ID Number	0	1	AN 1/12
			Identification number of the next higher hierarchical data segment being described is subordinate to	ta segme	ent th	at the
			This element contains the sequential line item number (Detail loop (HL03 = '9') to which this loop is subordinate.		f the	Line
M	HL03	735	Hierarchical Level Code	M	1	ID 1/2
			Code defining the characteristic of a level in a hierarchic	cal struc	ture	
			IA Subline Item			

Position: 8400

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

	Ref.	Data		
	Des.	Element	<u>Name</u>	<u>Attributes</u>
>>	IT101	350	Assigned Identification	O 1 AN 1/20

Alphanumeric characters assigned for differentiation within a transaction

set

Segment: DTM Date/Time Reference

Position: 8500

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

				:- : ;				
	Ref.	Data						
	Des.	Element	<u>Name</u>	_	Attri	<u>ibut</u>	es	
M	DTM01	374	Date/Time Qualifi	er	M	1	ID 3/3	
			Code specifying ty	pe of date or time, or both date and time	e			
			405	Production				
>>	DTM05	1250	Date Time Period	Format Qualifier	X	1	ID 2/3	
			Code indicating the	ode indicating the date format, time format, or date and time format				
			RD8	Range of Dates Expressed in Format C-CCYYMMDD	CCYY	MM	DD	
				This code designates the range of Gas the transaction will occur. For examp month of April 2001 would be stated a -20010430.	le, the	enti	re	
>>	DTM06	1251	Date Time Period		X	1	AN 1/35	

Expression of a date, a time, or range of dates, times or dates and times

Beginning Flow Date, Ending Flow Date

Segment: LQ Industry Code Identification

Position: 8600

Loop: IT1 Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 3

Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

	Ref.	Data						
	Des.	Element	<u>Name</u>			Attr	<u>ibutes</u>	
>>	LQ01	1270	Code List Qualif	ier Code		O	1 ID 1/3	
			Code identifying	a specific industry cod	e list			
			Refer to "LQ Seg and values.	ments (Sub-sub-detail	- HL03 = 'IA')" table for	usage	
			AJT	Adjustment Type				
			SMB	Statement Basis				
>>	LQ02	1271	Industry Code			X	1 AN 1/30	
			G 1 : 1: .:	1 6 '6' '	1 . 1 .	1		

Code indicating a code from a specific industry code list

Refer to "LQ Segments (Sub-sub-detail - HL03 = 'IA')" table for usage

and values.

Statement Basis, Adjustment Type

Segment: QTY Quantity Information

Position: 8800

Loop: QTY Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

QTY02

>>

380

Notes: For NAESB WGQ, this segment is mandatory and should be sent for at least one of

the values 'G5' or 'G6' in the QTY01 element.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	QTY01	673	Quantity Qualifier		M	1	ID 2/2
			Code specifying the type of quantity				
			Refer to "Q and values.	TY Segments (Sub-sub-detail - HL03 = 'IA')"	table f	or us	age
			Supplement	tal Quantity Type			
			A5	Adjusted Quantity			
			O1	Scheduled Receipt			
			O2	Scheduled Delivery			
			O5	Allocated Receipt			
			O6	Allocated Delivery			
			R9	Fuel			

Numeric value of quantity

Quantity

Refer to "QTY Segments (Sub-sub-detail - HL03 = 'IA)" table for usage and values.

Allocated Delivery Quantity, Allocated Receipt Quantity, Fuel Quantity, Adjustment Quantity, Scheduled Delivery Quantity, Scheduled Receipt Quantity

X

1 R 1/15

Segment: $\overline{\mathbf{TDS}}$ Total Monetary Value Summary

Position: 0100

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Data Element Summary

	Ref.	Data					
	Des.	Element	<u>Name</u>	<u> </u>	Attri	but	es
\mathbf{M}	TDS01	610	Amount		\mathbf{M}	1	N2 1/15

Monetary amount

For NAESB WGQ, send zero.

Segment: ${f SE}$ Transaction Set Trailer

Position: 1200

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

	Ref.	Data						
	Des.	Element	<u>Name</u>	<u>Attributes</u>		es		
M	SE01	96	Number of Included Segments	M	1	N0 1/10		
			Total number of segments included in a transaction set in SE segments	cluding	; ST	and		
M	SE02	329	Transaction Set Control Number	M	1	AN 4/9		
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					