

**811 Consolidated Service Invoice/Statement**Functional Group ID=**CI****Heading:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	0100	ST	Transaction Set Header	M	1		
M	0200	BIG	Beginning Segment for Invoice	M	1		
Must Use	0800	DTM	Date/Time Reference	O	10		
						LOOP ID - N1	>1
Must Use	1000	N1	Name	O	1		
	1500	PER	Administrative Communications Contact	O	3		

**Detail:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - HL	>1
M	0100	HL	Hierarchical Level	M	1		
						LOOP ID - IT1	999999
Must Use	2100	IT1	Baseline Item Data (Invoice)	O	1		
Must Use	2830	LQ	Industry Code	O	>1		
						LOOP ID - AMT	>1
	2850	AMT	Monetary Amount	O	1		
						LOOP ID - QTY	>1
	2900	QTY	Quantity	O	1		
						LOOP ID - NM1	>1
Must Use	3400	NM1	Individual or Organizational Name	O	1		
Must Use	3875	REF	Reference Identification	O	1		
						LOOP ID - HL	>1
Must Use	7600	HL	Hierarchical Level	O	1		
						LOOP ID - IT1	999999
Must Use	7700	IT1	Baseline Item Data (Invoice)	O	1		
	7800	REF	Reference Identification	O	>1		
	7900	LQ	Industry Code	O	>1		
						LOOP ID - NM1	>1
	8000	NM1	Individual or Organizational Name	O	1		
	8100	REF	Reference Identification	O	>1		
	8200	LCD	Place/Location Description	O	>1		
						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	10		
Must Use	8600	LQ	Industry Code	O	>1		
						LOOP ID - AMT	>1
	8700	AMT	Monetary Amount	O	1		
						LOOP ID - QTY	>1
	8800	QTY	Quantity	O	1		

**Summary:**

Draft Shipper Imbalance

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

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Draft Shipper Imbalance

**Segment:** **ST** Transaction Set Header  
**Position:** 0100  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	Transaction Set Identifier Code 811 Consolidated Service Invoice/Statement	M ID 3/3
M	ST02	329	Transaction Set Control Number	M AN 4/9

Draft Shipper Imbalance

**Segment:** **BIG** Beginning Segment for Invoice  
**Position:** 0200  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BIG01	373	Date <i>The date the statement was generated.</i>	M DT 8/8
M	BIG02	76	Invoice Number <i>The statement number assigned by the statement preparer.</i>	M AN 1/22
Must Use	BIG07	640	Transaction Type Code F6 Shipper Imbalance	O ID 2/2

**Segment:** **DTM** Date/Time Reference  
**Position:** 0800  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 10  
**Notes:** For GISB, this segment is mandatory.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	<b>Date/Time Qualifier</b> <i>Refer to "DTM Segments (Heading)" table for usage and values.</i>	M ID 3/3
Must Use	DTM05	1250	<b>Date Time Period Format Qualifier</b> <i>Refer to "DTM Segments (Heading)" table for usage and values.</i>	X ID 2/3
			CM Date in Format CCYMM	
			D8 Date Expressed in Format CCYMMDD	
			DT Date and Time Expressed in Format CCYMMDDHHMM	
			RD8 Range of Dates Expressed in Format CCYMMDD- CCYMMDD	
Must Use	DTM06	1251	<b>Date Time Period</b> <i>Refer to "DTM Segments (Heading)" table for usage and values.</i>	X AN 1/35
			<i>Accounting Period, Statement Date/Time</i>	

Draft Shipper Imbalance

**Segment:** **N1** Name  
**Position:** 1000  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Notes:** *For GISB, this segment is mandatory and should occur once for each value in the N101 element.*

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code 40 Receiver Statement Recipient ID 41 Submitter Preparer ID	M ID 2/3
Must Use	N103	66	Identification Code Qualifier 1 D-U-N-S Number, Dun & Bradstreet	X ID 1/2
Must Use	N104	67	Identification Code Preparer ID, Statement Recipient ID	X AN 2/17

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

**Segment:** **PER** Administrative Communications Contact  
**Position:** 1500  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Notes:** For GISB, this segment is mandatory. It may only be sent the Preparer ID N1 loop (N101 = '41').

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code IC Information Contact	M ID 2/2
Must Use	PER02	93	Name Contact Person (Name)	O AN 1/35
<i>The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.</i>				
Must Use	PER03	365	Communication Number Qualifier TE Telephone	X ID 2/2
Must Use	PER04	364	Communication Number Contact Person (Phone)	X AN 1/80

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

Draft Shipper Imbalance

**Segment:** **HL** Hierarchical Level  
**Position:** 0100  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical ID Number <i>sequential line item number</i>	M AN 1/12
M	HL03	735	Hierarchical Level Code IB Contract	M ID 1/2

Draft Shipper Imbalance

**Segment:** **IT1** **Baseline Item Data (Invoice)**  
**Position:** 2100  
**Loop:** IT1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Notes:** *For GISB, this segment is mandatory.*

**Data Element Summary**

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

Draft Shipper Imbalance

**Segment:** **LQ** Industry Code  
**Position:** 2830  
**Loop:** IT1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** >1  
**Notes:** For GISB, this segment is mandatory.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LQ01	1270	Code List Qualifier Code <i>Refer to "LQ Segments (Detail - HL03 = 'IB')" table for usage and values.</i>	O ID 1/3
Must Use	LQ02	1271	Industry Code <i>Refer to "LQ Segments (Detail - HL03 = 'IB')" table for usage and values.</i>	X AN 1/30

*Imbalance Reporting Type, Settlement Type*

Draft Shipper Imbalance

**Segment:** **AMT** Monetary Amount  
**Position:** 2850  
**Loop:** AMT Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Notes:** *For GISB, this segment is conditional.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	AMT01	522	Amount Qualifier Code J8 Ending Balance	M ID 1/3
M	AMT02	782	Monetary Amount Ending Imbalance Value	M R 1/15

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

Draft Shipper Imbalance

**Segment:** **QTY** Quantity  
**Position:** 2900  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Notes:** *For GISB, this segment is conditional.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	QTY01	673	Quantity Qualifier CB Closing Statement Balance	M ID 2/2
Must Use	QTY02	380	Quantity Ending Imbalance Quantity	X R 1/15

Draft Shipper Imbalance

**Segment:** **NM1** Individual or Organizational Name  
**Position:** 3400  
**Loop:** NM1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Notes:** For GISB, this segment is mandatory.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	NM101	98	Entity Identifier Code 78 Service Requester	M ID 2/3
M	NM102	1065	Entity Type Qualifier 3 Unknown	M ID 1/1
Must Use	NM108	66	Identification Code Qualifier 1 D-U-N-S Number, Dun & Bradstreet	X ID 1/2
Must Use	NM109	67	Identification Code Service Requester ID	X AN 2/17

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

**Segment:** **REF** Reference Identification  
**Position:** 3875  
**Loop:** NM1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Notes:** For GISB, this segment is mandatory.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier KSR Service Requester Contract Identifier	M ID 2/3
Must Use	REF02	127	Reference Identification Service Requester Contract	X AN 1/30

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

Draft Shipper Imbalance

**Segment:** **HL** Hierarchical Level  
**Position:** 7600  
**Loop:** HL Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Notes:** *For GISB, this segment is mandatory.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical ID Number <i>sequential line item number</i>	M AN 1/12
Must Use	HL02	734	Hierarchical Parent ID Number <i>This element contains the sequential line item number (HL01) of the Contract level loop (HL03 = 'IB') to which this detail loop is subordinate.</i>	O AN 1/12
M	HL03	735	Hierarchical Level Code 9 Line Detail	M ID 1/2

Draft Shipper Imbalance

**Segment:** **IT1** **Baseline Item Data (Invoice)**  
**Position:** 7700  
**Loop:** IT1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Notes:** *For GISB, this segment is mandatory.*

**Data Element Summary**

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

**Segment:** **REF** Reference Identification  
**Position:** 7800  
**Loop:** IT1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Notes:** For GISB, this segment is sender's option.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Refer to "REF Segments (Sub-detail - HL03 = '9')" table for usage and values.	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Refer to "REF Segments (Sub-detail - HL03 = '9')" table for usage and values.	X AN 1/30

Zone Identifier, Package ID, Service Provider's Activity Code

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

Draft Shipper Imbalance

**Segment:** **LQ** Industry Code  
**Position:** 7900  
**Loop:** IT1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Notes:** For GISB, this segment is conditional.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LQ01	1270	Code List Qualifier Code Refer to "LQ Segments (Sub-detail - HL03 = '9')" table for usage and values.	O ID 1/3
Must Use	LQ02	1271	Industry Code Refer to "LQ Segments (Sub-detail - HL03 = '9')" table for usage and values.	X AN 1/30

*Capacity Type Indicator, Export Declaration*

Draft Shipper Imbalance

**Segment:** **NM1** Individual or Organizational Name  
**Position:** 8000  
**Loop:** NM1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Notes:** For GISB, this segment is conditional.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	NM101	98	<b>Entity Identifier Code</b> DW Downstream Party US Upstream Party	M ID 2/3
M	NM102	1065	<b>Entity Type Qualifier</b> 3 Unknown	M ID 1/1
Must Use	NM108	66	<b>Identification Code Qualifier</b> 1 D-U-N-S Number, Dun & Bradstreet ZZ Mutually Defined For GISB, this code value is used when the Imbalance Reporting Type is Pathed Non-threaded - Threaded (LQ01 = 'IRT'/LQ02 = 'TR').	X ID 1/2
Must Use	NM109	67	<b>Identification Code</b> Downstream Identifier Code, Upstream Identifier Code	X AN 2/17

For GISB, the Upstream Identifier Code and Downstream Identifier Code are not needed when the Imbalance Reporting Type is Pathed Non-threaded - Threaded (LQ01 = 'IRT'/LQ02 = 'TR'). In these cases, send "N/A".

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

Draft Shipper Imbalance

**Segment:** **REF** Reference Identification  
**Position:** 8100  
**Loop:** NM1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Notes:** *For GISB, this segment is conditional.*

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> DT Downstream Shipper Contract Number UP Upstream Shipper Contract Number	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> <i>Downstream Contract Identifier, Upstream Contract Identifier</i>	X AN 1/30

*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  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Notes:** For GISB, this segment is conditional.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LCD02	98	<b>Entity Identifier Code</b> <i>Refer to "LCD Segments (Sub-detail - HL03 = '9')" table for usage and values.</i>	<b>O ID 2/3</b>
Must Use	LCD05	66	<b>Identification Code Qualifier</b> <i>Refer to "LCD Segments (Sub-detail - HL03 = '9')" table for usage and values.</i>	<b>X ID 1/2</b>
Must Use	LCD06	67	<b>Identification Code</b> <i>Refer to "LCD Segments (Sub-detail - HL03 = '9')" table for usage and values.</i>	<b>X AN 2/17</b>

*Delivery Location, Delivery Location Proprietary Code, Receipt Location, Receipt Location Proprietary Code, Delivery Zone, Receipt Zone*

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

Draft Shipper Imbalance

**Segment:** **HL** Hierarchical Level  
**Position:** 8300  
**Loop:** HL Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Notes:** *For GISB, this segment is mandatory.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical ID Number <i>sequential line item number</i>	M AN 1/12
Must Use	HL02	734	Hierarchical Parent ID Number <i>This element contains the sequential line item number (HL01) of the Line Detail loop (HL03 = '9') to which this loop is subordinate.</i>	O AN 1/12
M	HL03	735	Hierarchical Level Code IA Subline Item	M ID 1/2

Draft Shipper Imbalance

**Segment:** **IT1** **Baseline Item Data (Invoice)**  
**Position:** 8400  
**Loop:** IT1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Notes:** *For GISB, this segment is mandatory.*

**Data Element Summary**

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

Draft Shipper Imbalance

**Segment:** **DTM** Date/Time Reference  
**Position:** 8500  
**Loop:** IT1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 10  
**Notes:** For GISB, this segment is mandatory.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier 405 Production	M ID 3/3
Must Use	DTM05	1250	Date Time Period Format Qualifier RD8 Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD RDT Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM	X ID 2/3
Must Use	DTM06	1251	Date Time Period Beginning Flow Date, Beginning Flow Time, Ending Flow Date, Ending Flow Time	X AN 1/35

Draft Shipper Imbalance

**Segment:** **LQ** Industry Code  
**Position:** 8600  
**Loop:** IT1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** >1  
**Notes:** For GISB, this segment is mandatory.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LQ01	1270	Code List Qualifier Code Refer to "LQ Segments (Sub-sub-detail - HL03 = 'IA')" table for usage and values.	O ID 1/3
Must Use	LQ02	1271	Industry Code Refer to "LQ Segments (Sub-sub-detail - HL03 = 'IA')" table for usage and values.	X AN 1/30

Statement Basis, Adjustment Type, Transaction Type

**Segment:** **AMT** Monetary Amount  
**Position:** 8700  
**Loop:** AMT Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Notes:** *For GISB, this segment is conditional.*

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	AMT01	522	<b>Amount Qualifier Code</b> <i>Refer to "AMT Segments (Sub-sub-detail - HL03 = 'IA')"</i> table for usage and values.	<b>M ID 1/3</b>
M	AMT02	782	<b>Monetary Amount</b> <i>Refer to "AMT Segments (Sub-sub-detail - HL03 = 'IA')"</i> table for usage and values.	<b>M R 1/15</b>

*Bid Transportation Rate, Imbalance Value*

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Draft Shipper Imbalance

**Segment:** **QTY** Quantity  
**Position:** 8800  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Notes:** For GISB, this segment is conditional.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	QTY01	673	Quantity Qualifier Refer to "QTY Segments (Sub-sub-detail - HL03 = 'IA')" table for usage and values.	M ID 2/2
Must Use	QTY02	380	Supplemental Quantity Type 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, Operational Delivery Quantity, Operational Receipt Quantity, Scheduled Delivery Quantity, Scheduled Receipt Quantity, Scheduling Tolerance Delivery Quantity, Scheduling Tolerance Receipt Quantity, Supplemental Quantity	X R 1/15

Draft Shipper Imbalance

**Segment:** **TDS** Total Monetary Value Summary  
**Position:** 0100  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610	Amount <i>For GIB, send zero.</i>	M N2 1/15

Draft Shipper Imbalance

**Segment:** **SE** Transaction Set Trailer  
**Position:** 1200  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments	M N0 1/10
M	SE02	329	Transaction Set Control Number	M AN 4/9