

## ANSI Compliant Shipper Imbalance Working Document

Discussed at the following meetings:

12/13/1999  
 01/28/2000  
 02/29/2000  
 04/20/2000  
 05/05/2000  
 09/08/2000 (change P1 to 41 and add segment notes to PER)  
 12/05/2000 (map to x12 4032 and note items that must be checked for 4040)  
 01/16/2001 (updated position numbers for segments added by X12)

mapped to ASC X12 811; used version 4030 as a base X12 standard

GISB Shipper Imbalance (2.4.4)

Position	Segment	Element	ANSI req des / max use	Literal contents or GISB data element name (and usage)	GISB segment/element note [or other comments]	ANSI data type	GISB Min/ Max *
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**Heading:**

0100	ST		M/1				
0200	BIG		M/1				
		BIG01 - 373	M		The date the statement was generated.	DT	8/8
		BIG02 - 76	M		The statement number assigned by the statement preparer.	AN	1/22
		BIG07 - 640	O	F6		ID	2/2
0800	DTM		O/10	(1st occurrence)	For GISB, this segment is mandatory.		
		DTM01 - 374	M	102		ID	3/3
		DTM05 - 1250	X	DT		ID	2/3
		DTM06 - 1251	X	Statement Date/Time (M)		AN	1/35
0800	DTM			(2nd occurrence)			
		DTM01 - 374	M	582		ID	3/3
		DTM05 - 1250	X	CM D8 RD8		ID	2/3
		DTM06 - 1251	X	Accounting Period (M)		AN	1/35

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		<b>N1 loop</b>	<b>&gt;1</b>	<b>(1st occurrence)</b>			
1000	N1		O/1				
		N101 - 98	M	40 - Receiver		ID	2/3
		N103 - 66	X	1		ID	1/2
		N104 - 67	X	Statement Recipient ID (M)		AN	2/17 *
		<b>N1 loop</b>	<b>&gt;1</b>	<b>(2nd occurrence)</b>			
1000	N1		O/1				
		N101 - 98	M	41 - Submitter		ID	2/3
		N103 - 66	X	1		ID	1/2
		N104 - 67	X	Preparer ID (M)		AN	2/17 *
1500	PER		O/3		For GISB this segment is mandatory and may only be used in the N1 loop for the Preparer ID (N101 = '41').		
		PER01 - 366	M	IC		ID	2/2
		PER02 - 93	O	Contact Person (Name) (M)		AN	1/35 *
		PER03 - 365	X	TE		ID	2/2
		PER04 - 364	X	Contact Person (Phone) (M)		AN	1/80 *

**Detail**

		<b>HL loop</b>	<b>&gt;1</b>				
0100	HL		M/1				
		HL01 - 628	M	sequential line item number		AN	1/12
		HL03 - 735	M	IB		ID	1/2
		<b>IT1 loop</b>	<b>999999</b>				
2100	IT1		O/1				
		IT101 - 350	O	purchase order line item identification		AN	1/20
2830	LQ			(1st occurrence)	[added to this level with our Invoicing DMR (dmr06)]		
		LQ01-1270	O	IRT (new for this dmr)	mark as must use	ID	1/3
		LQ02-1271	X	Imbalance Reporting Type (M) PR TR NR UR	mark as must use	AN	1/30

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2830	LQ			(2nd occurrence)	[added to this level with our Invoicing DMR (dmr06)]		
		LQ01-1270	O	SET (new for this dmr)		ID	1/3
		LQ02-1271	X	Settlement Type (MA) YCO, NCO		AN	1/30
2830	LQ			(3rd occurrence)			
		LQ01 - 1270	O	AJT (new for this dmr)		ID	1/3
		LQ02 - 1271	X	Adjustment Type (C) AQC, LQC, ADC, AMC, FQC, SQC		AN	1/30
		AMT loop	>1				
2850	AMT		O/1				
		AMT01-522	M	J8 - ending balance		ID	1/3
		AMT02-782	M	Ending Imbalance Value (C)		R	1/15 *
		QTY loop	>1	(1st occurrence)			
2900	QTY	I	O/1				
		QTY01-673	M	A5 - adjusted quantity		ID	2/2
		QTY02-380	X	Adjustment Quantity (C)		R	1/15
		QTY loop	>1	(2nd occurrence)			
2900	QTY		O/1				
		QTY01-673	M	CB - closing statement balance		ID	2/2
		QTY02-380	X	Ending Imbalance Quantity (C)		R	1/15
		NM1 loop	>1				
3400	NM1		O/1		mark as must use		
		NM101 - 98	M	78 - Service Requester		ID	2/3
		NM102 - 1065	M	3 - Unknown		ID	1/1
		NM108 - 66	X	1	mark as must use	ID	1/2
		NM109 - 67	X	Service Requester ID (M)	mark as must use	AN	2/17 *
3875	REF		O/8		new with x12dmr11		
		REF01 - 128	M	KSR - Service Requester Contract Identifier (new for the 873)		ID	2/3
		REF02 - 127	X	Service Requester Contract (M)		AN	1/30*

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**Sub-detail**

		<b>HL loop</b>	<b>&gt;1</b>				
0100 (7600)	HL		M/1				
		HL01 - 628	M	sequential line item number		AN	1/12
		HL02 - 734	O	sequential line item number	This element contains the sequential line item number (HL01) of the Contract level loop (HL03 = 'IB') to which this detail loop is subordinate.	AN	1/12
		HL03 - 735	M	9 - Line Detail		ID	1/2
		<b>IT1 loop</b>	<b>999999</b>				
2100 (7700)	IT1		O/1				
		IT101 - 350	O	assigned identification		AN	1/20
2600 (7800)	REF		O/8	(3rd occurrence)			
		REF01 - 128	M	6K - Zone		ID	2/3
		REF02 - 127	X	Zone Identifier (SO)		AN	1/30*
2600 (7800)	REF		O/8	(4th occurrence)			
		REF01 - 128	M	BE - Business Activity		ID	2/3
		REF02 - 127	X	Service Provider's Activity Code (MA)		AN	1/30*
2600 (7800)	REF		O/8	(5th occurrence)			
		REF01 - 128	M	PKG - Package ID		ID	2/3
		REF02 - 127	X	Package ID (MA)		AN	1/30*
2830 (7900)	LQ			(1st occurrence)	[approved with our Invoicing DMR]		
		LQ01 - 1270	O	CQ - Capacity Type Indicator	[approved with our 873 dmr]	ID	1/3
		LQ02 - 1271	X	Capacity Type Indicator (C) PP, PS, SS, SP, IT		AN	1/30

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Position	Segment	Element	ANSI req des / max use	Literal contents or GISB data element name (and usage)	GISB segment/element note [or other comments]	ANSI data type	GISB Min/ Max *
2830 (7900)	LQ			(2nd occurrence)			
		LQ01 - 1270	O	XD - Export Declaration	[approved with our Invoicing DMR]	ID	1/3
		LQ02 - 1271	X	Export Declaration (MA) (GSTN, GSTY)		AN	1/30
		NM1 loop	>1	(1st occurrence)			
3400 (8000)	NM1		O/1				
		NM101 - 98	M	US - Upstream		ID	2/3
		NM102 - 1065	M	3 - Unknown		ID	1/1
		NM108 - 66	X	1		ID	1/2
		NM109 - 67	X	Upstream Identifier Code (C)		AN	2/17 *
3875 (8100)	REF		O/>1		[N9 new for this DMR]		
		N901 - 128	M	UP - Upstream Shipper Contract		ID	2/3
		N902 - 127	X	Upstream Contract Identifier (C)		AN	1/30 *
3890 (8200)	LCD		O/>1		[LCD new for this DMR]		
		LCD02 - 98	O	RZ - Receipt Zone		ID	2/3
		LCD05 - 66	X	ZN - Zone		ID	1/2
		LCD06 - 67	X	Receipt Zone (SO)		AN	2/17 *
3890 (8200)	LCD		O/>1		[LCD new for this DMR]		
		LCD02 - 98	O	M2		ID	2/3
		LCD05 - 66	X	DR SV	[use same element and code value notes as in SQOP]	ID	1/2
		LCD06 - 67	X	Receipt Location/Receipt Location Proprietary Code (C)		AN	2/17 *
		NM1 loop	>1	(2nd occurrence)			
3400 (8000)	NM1		O/1				
		NM101 - 98	M	DW - Downstream		ID	2/3

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Position	Segment	Element	ANSI req des / max use	Literal contents or GISB data element name (and usage)	GISB segment/element note [or other comments]	ANSI data type	GISB Min/ Max *
		NM102 - 1065	M	3 - Unknown		ID	1/1
		NM108 - 66	X	1		ID	1/2
		NM109 - 67	X	Downstream Identifier Code (C)		AN	2/17 *
3875 (8100)	REF		O/>1		[N9 new for this DMR]		
		N901 - 128	M	DT - Downstream Shipper Contract Number		ID	2/3
		N902 - 127	X	Downstream Contract Identifier (C)		AN	1/30 *
3890 (8200)	LCD		O/>1		[LCD new for this DMR]		
		LCD02 - 98	O	DZ - Delivery Zone		ID	2/3
		LCD05 - 66	X	ZN - Zone		ID	1/2
		LCD06 - 67	X	Delivery Zone (SO)		AN	2/17 *
3890 (8200)	LCD		O/>1		[LCD new for this DMR]		
		LCD02 - 98	O	MQ		ID	2/3
		LCD05 - 66	X	DR SV	[use same element and code value notes as in SQOP]	ID	1/2
		LCD06 - 67	X	Delivery Location/Delivery Location Proprietary Code (C)		AN	2/17 *
<b>Sub-sub-detail</b>							
		HL loop	>1				
0100 (8300)	HL		M/1				
		HL01 - 628	M	sequential line item number		AN	1/12
		HL02 - 734	O	sequential line item number	This element contains the sequential line item number (HL01) of the Line Detail loop (HL03 = '9') to which this loop is subordinate.	AN	1/12
		HL03 - 735	M	IA - Sub-line Item		ID	1/2

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Position	Segment	Element	ANSI req des / max use	Literal contents or GISB data element name (and usage)	GISB segment/element note [or other comments]	ANSI data type	GISB Min/ Max *
		<b>IT1 loop</b>	<b>999999</b>				
2100 (8400)	IT1		O/1				
		IT101 - 350	O	assigned identification		AN	1/20
2700 (8500)	DTM		O/10				
		DTM01 - 374	M	405 - Production		ID	3/3
		DTM05 - 1250	X	RD8 RDT	[note: we did not include D8 (which was in version 1.4) because all dates and times are mandatory]	ID	2/3
		DTM06 - 1251	X	Beginning Flow Date, Beginning Flow Time, Ending Flow Date, Ending Flow Time (M)		AN	1/35
2830 (8600)	LQ			(1st occurrence)	[approved with our Invoicing DMR]		
		LQ01 - 1270	O	EAR - Statement Basis	[new for this dmr]	ID	1/3
		LQ02 - 1271	X	Statement Basis (M) A,E, R		AN	1/30
2830 (8600)	LQ			(2nd occurrence)	[approved with our Invoicing DMR]		
		LQ01 - 1270	O	TT - Natural Gas Transaction Type	[approved with our 873]	ID	1/3
		LQ02 - 1271	X	Transaction Type (MA)		AN	1/30
		<b>AMT loop</b>	<b>&gt;1</b>				
2850 (8700)	AMT		O/1				
		AMT01 - 522	M	RJ - Rate Amount		ID	1/3
		AMT02 - 782	M	Bid Transportation Rate (C)		R	1/15 *
		<b>QTY loop</b>	<b>&gt;1</b>	<b>(1st occurrence)</b>			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	G1 - (new for this dmr)		ID	2/2

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Position	Segment	Element	ANSI req des / max use	Literal contents or GISB data element name (and usage)	GISB segment/element note [or other comments]	ANSI data type	GISB Min/ Max *
		QTY02 - 380	X	Scheduled Receipt Quantity (SO)		R	1/15
		QTY loop	>1	(2nd occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	G2 - (new for this dmr)		ID	2/2
		QTY02 - 380	X	Scheduled Delivery Quantity (SO)		R	1/15
		QTY loop	>1	(3rd occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	G3 - (new for this dmr)		ID	2/2
		QTY02 - 380	X	Operational Receipt Quantity (SO)		R	1/15
		QTY loop	>1	(4th occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	G4 - (new for this dmr)		ID	2/2
		QTY02 - 380	X	Operational Delivery Quantity (SO)		R	1/15
		QTY loop	>1	(5th occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	G5 - (new for this dmr)		ID	2/2
		QTY02 - 380	X	Allocated Receipt Quantity (C)		R	1/15
		QTY loop	>1	(6th occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	G6 - (new for this dmr)		ID	2/2
		QTY02 - 380	X	Allocated Delivery Quantity (C)		R	1/15
		QTY loop	>1	(7th occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	R9 - Fuel		ID	2/2

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Position	Segment	Element	ANSI req des / max use	Literal contents or GISB data element name (and usage)	GISB segment/element note [or other comments]	ANSI data type	GISB Min/ Max *
		QTY02 - 380	X	Fuel Quantity (C)		R	1/15
		QTY loop	>1	(8th occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	LH - Lost Gas		ID	2/2
		QTY02 - 380	X	Supplemental Quantity - Lost/Unaccounted For Gas (C)		R	1/15
		QTY loop	>1	(9th occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	FF - Flare or Flash		ID	2/2
		QTY02 - 380	X	Supplemental Quantity - Flash Gas (C)		R	1/15
		QTY loop	>1	(10th occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	G7 - (new for this dmr)		ID	2/2
		QTY02 - 380	X	Supplemental Quantity - Plant Thermal Reduction (C)		R	1/15
		QTY loop	>1	(11th occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	H1 - (new for this dmr)		ID	2/2
		QTY02 - 380	X	Scheduling Tolerance Receipt Quantity (SO)		R	1/15
		QTY loop	>1	(12th occurrence)			
2900 (8800)	QTY		O/1				
		QTY01 - 673	M	H2 - (new for this dmr)		ID	2/2
		QTY02 - 380	X	Scheduling Tolerance Delivery Quantity (SO)		R	1/15
<b>Summary</b>							
0100	TDS		M/1				

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Position	Segment	Element	ANSI req des / max use	Literal contents or GISB data element name (and usage)	GISB segment/element note [or other comments]	ANSI data type	GISB Min/ Max *
		TDS01 - 361	M	0	For GISB, send zero.	N2	1/15
SE	SE		M/1				

\* GISB Min/Max column will contain an \* when the GISB values are different than the ANSI ASC X12 values

New items pending from DISA for other documents that also affect this document:

DMR # ??

Add LQ to IT1 loop position 2100

Add LCD to IT1 loop position 2100

New items requested from DISA in conjunction with this document:

DMR # 09

new code value and definition for data element 640

F6 - Shipper Imbalance

F7 - Producer Imbalance

DMR # 10

new code values and definitions for data element 1270 (linked to Code Source 293):

SET Settlement Type

AJT Adjustment Type

EAR Statement Basis

IRT Imbalance Reporting Type

DMR # 11

new N9 segment (position 3750) to be added to the NM1 loop at position 3400  
usage optional, max use > 1

new LCD segment (position 3880) to be added to the NM1 loop at position 3400

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usage optional, max use > 1

DMR # 12

new code values and definitions for data element 673

G1	Scheduled Receipt Quantity
G2	Scheduled Delivery Quantity
G3	Operational Receipt Quantity
G4	Operational Delivery Quantity
G5	Allocated Receipt Quantity
G6	Allocated Delivery Quantity
G7	Plant Thermal Reduction Quantity
H1	Scheduling Tolerance Receipt Quantity
H2	Scheduling Tolerance Delivery Quantity

Items added to 4032 which should be present in 4040 and need to be checked upon migration to 4040

1. BIG07 - code value F6 - Shipper Imbalance
2. Detail REF added to position 3875 within NM1 loop (position 3400); (from x12dmr11);
3. Detail LCD added to position 3890 within NM1 loop (position 3400); (from x12dmr11);