

ANSI Compliant Shipper Imbalance Working Document

Discussed at the following meetings:

12/13/1999
 01/28/2000
 02/29/2000

mapped to ASC X12 811; used version 4020 as a base X12 standard

| Segment & position | Element | ANSI req des & max use | literal contents or GISB data element name | GISB segment/element note [or other comments] | GISB Min/ Max * | ANSI data type |
|--------------------|--------------|------------------------|--|--|-----------------|----------------|
| ST - 0100 | | M/1 | | | | |
| BIG - 0200 | | M/1 | | | | |
| | BIG01 - 373 | M | | The date the statement was generated. | 8/8 | DT |
| | BIG02 - 76 | M | | The statement number assigned by the statement preparer. | 1/22 | AN |
| | BIG07 - 640 | O | F6 | | 2/2 | ID |
| DTM - 0800 | | O/10 | | For GISB, this segment is mandatory. | | |
| | DTM01 - 374 | M | 102 | | 3/3 | ID |
| | DTM05 - 1250 | X | DT | | 2/3 | ID |
| | DTM06 - 1251 | X | Statement Date/Time (M) | | 1/35 | AN |
| DTM - 0800 | | | | | | |
| | DTM01 - 374 | M | 582 | | 3/3 | ID |
| | DTM05 - 1250 | X | CM D8 RD8 | | 2/3 | ID |
| | DTM06 - 1251 | X | Accounting Period (M) | | 1/35 | AN |
| N1 loop | | >1 | | | | |
| N1 - 1000 | | O/1 | | | | |
| | N101 - 98 | M | 40 | | 2/3 | ID |
| | N103 - 66 | X | 1 | | 1/2 | ID |
| | N104 - 67 | X | Statement Recipient ID (M) | | 2/17 * | AN |
| N1 - 1000 | | O/1 | | | | |
| | N101 - 98 | M | P1 | | 2/3 | ID |
| | N103 - 66 | X | 1 | | 1/2 | ID |
| | N104 - 67 | X | Preparer ID (M) | | 2/17 * | AN |
| PER - 1500 | | O/3 | | | | |

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|--------------------|---------------|------------------------|---|--|-----------------|----------------|
| | PER01 - 366 | M | IC | | 2/2 | ID |
| | PER02 - 93 | O | Contact Person (Name) (M) | | 1/35 * | AN |
| | PER03 - 365 | X | TE | | 2/2 | ID |
| | PER04 - 364 | X | Contact Person (Phone) (M) | | 1/80 | AN |
| | | | | | | |
| | Detail | | | | | |
| | HL loop | >1 | | | | |
| | HL - 0100 | M/1 | | | | |
| | HL01 - 628 | M | sequential line item number | | 1/12 | AN |
| | HL03 - 735 | M | IB | | 1/2 | ID |
| | IT1 loop | 999999 | | | | |
| | IT1 - 2100 | O/1 | | | | |
| | IT101 - 350 | O | purchase order line item identification | | 1/20 | AN |
| | REF - 2600 | O/8 | | | | |
| | REF01 - 128 | M | KSR - Service Requester Contract Identifier (new for the 873) | | 2/3 | ID |
| | REF02 - 127 | X | Service Requester Contract (M) | | 1/30 | AN |
| | LQ - pending | | | [added to this level with our Invoicing DMR (dmr06)] | | |
| | LQ01-1270 | O | SET (new for this dmr) | | 1/3 | ID |
| | LQ02-1271 | X | Settlement Type (SI) YCO, NCO | | 1/30 | AN |
| | LQ - pending | | | | | |
| | LQ01 - 1270 | O | AJT (new for this dmr) | | 1/3 | ID |
| | LQ02 - 1271 | X | Adjustment Type AQC, LQC, ADC, AMC, FQC, SQC | [not currently at the detail level; may be moved here] | 1/30 | AN |
| | AMT loop | >1 | | | | |
| | AMT - 2850 | O/1 | | | | |
| | AMT01-522 | M | BM - adjustments | | 1/3 | ID |
| | AMT02-782 | M | Adjustment Value | [not currently at the detail level; may be moved] | 1/18 | R |
| | AMT - 2850 | O/1 | | | | |

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|--------------------|-------------|------------------------|--|---|-----------------|----------------|
| | AMT01-522 | M | J8 - ending balance | | 1/3 | ID |
| | AMT02-782 | M | Ending Imbalance Value (SO) | | 1/18 | R |
| QTY loop | | >1 | | | | |
| QTY - 2900 | I | O/1 | | | | |
| | QTY01-673 | M | A5 - adjusted quantity | | 2/2 | ID |
| | QTY02-380 | X | Adjustment Quantity | [not currently at the detail level; may be moved here] | 1/15 | R |
| QTY - 2900 | | O/1 | | | | |
| | QTY01-673 | M | CB - closing statement balance | | 2/2 | ID |
| | QTY02-380 | X | Ending Imbalance Quantity (M) | | 1/15 | R |
| | | | | | | |
| Sub-detail | | | | | | |
| HL loop | | >1 | | | | |
| HL - 0100 | | M/1 | | | | |
| | HL01 - 628 | M | sequential line item number | | 1/12 | AN |
| | 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. | 1/12 | AN |
| | HL03 - 735 | M | 9 - Line Detail | | 1/2 | ID |
| IT1 loop | | 999999 | | | | |
| IT1 - 2100 | | O/1 | | | | |
| | IT101 - 350 | O | assigned identification | | 1/20 | AN |
| LQ - pending | | | | [approved with our Invoicing DMR] | | |
| | LQ01 - 1270 | O | CQ - Capacity Type Indicator | [approved with our 873 dmr] | 1/3 | ID |
| | LQ02 - 1271 | X | Capacity Type Indicator (MA) | | 1/30 | AN |
| LQ - pending | | | | | | |
| | LQ01 - 1270 | O | XD - Export Declaration | [approved with our Invoicing DMR] | 1/3 | ID |
| | LQ02 - 1271 | X | Export Declaration (MA) | | 1/30 | AN |
| REF - 2600 | | O/8 | | | | |
| | REF01 - 128 | M | UP - Upstream Shipper Contract | | 2/3 | ID |
| | REF02 - 127 | X | Upstream Contract Identifier (C) | [this might go in a new REF within the NM1 loop, or it might stay here] | 1/30 | AN |

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|--------------------|--------------|------------------------|--|---|-----------------|----------------|
| REF - 2600 | | O/8 | | | | |
| | REF01 - 128 | M | DT - Downstream Shipper Contract Number | | 2/3 | ID |
| | REF02 - 127 | X | Downstream Contract Identifier (C) | [this might go in a new REF within the NM1 loop, or it might stay here] | 1/30 | AN |
| REF - 2600 | | O/8 | | | | |
| | REF01 - 128 | M | 6K - Zone | | 2/3 | ID |
| | REF02 - 127 | X | Zone Identifier (SO) | | 1/30 | AN |
| REF - 2600 | | O/8 | | | | |
| | REF01 - 128 | M | BE - Business Activity | | 2/3 | ID |
| | REF02 - 127 | X | Service Provider's Activity Code (MA) | | 1/30 | AN |
| REF - 2600 | | O/8 | | | | |
| | REF01 - 128 | M | PKG - Package ID | | 2/3 | ID |
| | REF02 - 127 | X | Package ID (MA) | | 1/30 | AN |
| LCD - pending | | | | [LCD added to the IT1 loop by our Invoicing DMR] | | |
| | LCD02 - 98 | O | M2 | | 2/3 | ID |
| | LCD05 - 66 | X | DR SV | | 1/2 | ID |
| | LCD06 - 67 | X | Receipt Location/Receipt Location Proprietary Code (M) | | 2/17 * | AN |
| LCD - pending | | | | [LCD added to the IT1 loop by our Invoicing DMR] | | |
| | LCD02 - 98 | O | MQ | | 2/3 | ID |
| | LCD05 - 66 | X | DR SV | | 1/2 | ID |
| | LCD06 - 67 | X | Delivery Location/Delivery Location Proprietary Code (M) | | 2/17 * | AN |
| NM1 loop | | >1 | | | | |
| NM1 - 3400 | | O/1 | | | | |
| | NM101 - 98 | M | US - Upstream | | 2/3 | ID |
| | NM102 - 1065 | M | 3 - Unknown | | 1/1 | ID |
| | NM108 - 66 | X | 1 | | 1/2 | ID |
| | NM109 - 67 | X | Upstream Identifier Code (C) | | 2/17 * | AN |

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|--------------------|--------------|------------------------|--|--|-----------------|----------------|
| NM1 - 3400 | | O/1 | | | | |
| | NM101 - 98 | M | DW - Downstream | | 2/3 | ID |
| | NM102 - 1065 | M | 3 - Unknown | | 1/1 | ID |
| | NM108 - 66 | X | 1 | | 1/2 | ID |
| | NM109 - 67 | X | Downstream Identifier Code (C) | | 2/17 * | AN |
| | | | | | | |
| Sub-detail | | | | | | |
| HL loop | | >1 | | | | |
| HL - 0100 | | M/1 | | | | |
| | HL01 - 628 | M | sequential line item number | | 1/12 | AN |
| | 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. | 1/12 | AN |
| | HL03 - 735 | M | IA - Sub-line Item | | 1/2 | ID |
| IT1 loop | | 999999 | | | | |
| IT1 - 2100 | | O/1 | | | | |
| | IT101 - 350 | O | assigned identification | | 1/20 | AN |
| LQ - pending | | | | [approved with our Invoicing DMR] | | |
| | LQ01 - 1270 | O | EAR - Statement Basis | [new for this dmr] | 1/3 | ID |
| | LQ02 - 1271 | X | Statement Basis (M) | | 1/30 | AN |
| LQ - pending | | | | [approved with our Invoicing DMR] | | |
| | LQ01 - 1270 | O | TT - Natural Gas Transaction Type | [approved with our 873] | 1/3 | ID |
| | LQ02 - 1271 | X | Transaction Type (MA) | | 1/30 | AN |
| DTM - 2700 | | O/10 | | | | |
| | DTM01 - 374 | M | 472 - Service | | 3/3 | ID |
| | DTM05 - 1250 | X | RD8 RDT | [note: we did not include D8 (which was in version 1.4) because all dates and times are mandatory] | 2/3 | ID |
| | DTM06 - 1251 | X | Beginning Flow Date, Beginning Flow Time, Ending Flow Date, Ending Flow Time (M) | | 1/35 | AN |
| AMT loop | | >1 | | | | |

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|--------------------|-------------|------------------------|---|---|-----------------|----------------|
| AMT - 2850 | | O/1 | | | | |
| | AMT01 - 522 | M | RJ - Rate Amount | | 1/3 | ID |
| | AMT02 - 782 | M | Bid Transportation Rate (SO) | | 1/18 | R |
| AMT - 2850 | | | | | | |
| | AMT01 - 522 | M | VT - Current Value | | 1/3 | ID |
| | AMT02 - 782 | M | Imbalance Value (SO) | | 1/18 | R |
| QTY loop | | >1 | | | | |
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | G1 - (new for this dmr) | | 2/2 | ID |
| | QTY02 - 380 | X | Scheduled Receipt Quantity (SO) | | 1/15 | R |
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | G2 - (new for this dmr) | | 2/2 | ID |
| | QTY02 - 380 | X | Scheduled Delivery Quantity (SO) | | 1/15 | R |
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | G3 - (new for this dmr) | | 2/2 | ID |
| | QTY02 - 380 | X | Operational Receipt Quantity (SO) | | 1/15 | R |
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | G4 - (new for this dmr) | | 2/2 | ID |
| | QTY02 - 380 | X | Operational Delivery Quantity (SO) | | 1/15 | R |
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | G5 - (new for this dmr) | | 2/2 | ID |
| | QTY02 - 380 | X | Allocated Receipt Quantity (M) | | 1/15 | R |
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | G6 - (new for this dmr) | | 2/2 | ID |
| | QTY02 - 380 | X | Allocated Delivery Quantity (M) | | 1/15 | R |
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | R9 - Fuel | | 2/2 | ID |
| | QTY02 - 380 | X | Fuel Quantity (M) | | 1/15 | R |
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | LH - Lost Gas | | 2/2 | ID |
| | QTY02 - 380 | X | Supplemental Quantity - Lost/Unaccounted For Gas (SO) | | 1/15 | R |

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|--------------------|-------------|------------------------|--|---|-----------------|----------------|
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | FF - Flare or Flash | | 2/2 | ID |
| | QTY02 - 380 | X | Supplemental Quantity - Flash Gas (SO) | | 1/15 | R |
| QTY - 2900 | | O/1 | | | | |
| | QTY01 - 673 | M | G7 - (new for this dmr) | | 2/2 | ID |
| | QTY02 - 380 | X | Supplemental Quantity - Plant Thermal Reduction (SO) | | 1/15 | R |
| | | | | | | |
| Summary | | | | | | |
| TDS - 0100 | | M/1 | | | | |
| | TDS01 - 361 | M | 0 | For GISB, send zero. | 1/15 | N2 |
| SE | | | | | | |

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

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

DMR # 11

new REF segment to be added to the NM1 loop at position 3400

usage optional, max use > 1

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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