

## DATA ELEMENT CROSS REFERENCE TO ASC X12

Usage Codes: M - Mandatory, C - Conditional, SO – Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

### Heading:

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
ST	M M M M	Transaction Set Header
BIG	M M M M	Beginning Segment
DTM	M M M M	Statement Date/Time
DTM	M M M M	Accounting Period
N1	M M M M	Statement Recipient ID
N1	M M M M	Preparer ID
PER	M M M M	Contact Person

### Detail:

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
HL	M M M M	Hierarchical Level segment (Contract)
IT1	M M M M	Baseline Item Data (Invoice) segment
LQ	M M M M	Imbalance Reporting Type
LQ	C C C C	Adjustment Type
LQ	MA MA MA MA	Settlement Type
AMT	SO SO SO nu	Ending Imbalance Value
QTY	M M M nu	Ending Imbalance Quantity
QTY	C C C C	Adjustment Quantity
NM1	M M M M	Service Requester ID
REF	M M M M	Service Requester Contract

### Sub-detail:

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
HL	M M M M	Hierarchical Level segment (Line Detail)
IT1	M M M M	Baseline Item Data (Invoice) segment
REF	SO SO SO SO	Zone Identifier
REF	MA MA MA MA	Package ID
REF	MA MA MA MA	Service Provider's Activity Code
LQ	MA MA MA nu	Capacity Type Indicator
LQ	MA MA MA MA	Export Declaration
NM1	M C nu C	Upstream Identifier Code
REF	SO SO nu SO	Upstream Contract Identifier
LCD	M C M C	Receipt Location
	C C C C	Receipt Location Proprietary Code
LCD	SO SO SO SO	Receipt Zone

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
NM1	M C nu C	Downstream Identifier Code
REF	SO SO nu SO	Downstream Contract Identifier
LCD	M C M C	Delivery Location
	C C C C	Delivery Location Proprietary Code
LCD	SO SO SO SO	Delivery Zone

**Sub-sub-detail:**

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
HL	M M M M	Hierarchical Level segment (Subline Item)
IT1	M M M M	Baseline Item Data (Invoice) segment
DTM	M M M M	Beginning Flow Date
	M M M M	Beginning Flow Time
	M M M M	Ending Flow Date
	M M M M	Ending Flow Time
LQ	M M M M	Statement Basis
LQ	MA MA MA MA	Transaction Type
AMT	SO SO SO nu	Bid Transportation Rate
QTY	SO SO SO SO	Scheduled Receipt Quantity
QTY	SO SO SO SO	Scheduled Delivery Quantity
QTY	SO SO SO SO	Operational Receipt Quantity
QTY	SO SO SO SO	Operational Delivery Quantity
QTY	M C M C	Allocated Receipt Quantity
QTY	M C M C	Allocated Delivery Quantity
QTY	M M M nu	Fuel Quantity
QTY	SO SO SO SO	Scheduling Tolerance Receipt Quantity
QTY	SO SO SO SO	Scheduling Tolerance Delivery Quantity
QTY	C C C nu	Supplemental Quantity Type
	SO SO SO nu	Supplemental Quantity

**Summary:**

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
TDS	M M M M	Total Monetary Value Summary segment
SE	M M M M	Transaction Set Trailer

**SAMPLE ASC X12 TRANSACTION**

ST\*811\*0001  
BIG\*960608\*1  
PER\*IC\*JOE ACCOUNTANT\*TE\*18005551212  
DTM\*102\*\*\*\*\*DT\*199606082223  
DTM\*582\*\*\*\*\*CM\*199605  
N1\*40\*\*1\*123456789  
N1\*P1\*\*1\*987654321  
HL\*1\*\*IB  
LX\*1  
SI\*AP\*CR\*X-1.0128  
QTY\*CP\*175  
HL\*2\*1\*9  
LX\*1  
SI\*AP\*UK\*K1234\*DK\*K5678  
IT1\*\*0\*ZZ\*0  
N1\*DW\*\*1\*234567890  
N1\*US\*\*1\*345678901  
N1\*M2\*\*29\*123456789  
N1\*MQ\*\*29\*654321098  
HL\*3\*2\*IA  
LX\*1  
SI\*AP\*SB\*A  
DTM\*405\*\*\*\*\*RDT\*199605010900-199606010900  
QTY\*87\*100  
QTY\*QD\*90  
QTY\*FC\*10  
LX\*2  
SI\*AP\*SB\*R  
DTM\*405\*\*\*\*\*RDT\*199604030900-199604040900  
QTY\*87\*20  
QTY\*QD\*20  
QTY\*FC\*0  
TDS\*0  
SE\*34\*0001