

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 for Invoice segment
DTM	M M M M	Accounting Period
DTM	M M M M	Statement Date/Time
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	MA MA MA MA	Settlement Type
AMT	SO SO SO nu	Ending Imbalance Value
QTY	M M M nu	Ending Imbalance 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	Downstream Identifier Code
REF	SO SO nu SO	Downstream Contract Identifier
LCD	M C M C	Delivery Location
LCD	C C C C	Delivery Location Proprietary Code
LCD	SO SO SO SO	Delivery Zone

Segment	Usage PR NR TR UR	Segment Name/GISB Data Element Name
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

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	C C C C	Adjustment Type
LQ	MA MA MA MA	Transaction Type
AMT	SO SO SO nu	Bid Transportation Rate
AMT	SO SO SO SO	Imbalance Value
QTY	M C M C	Allocated Delivery Quantity
QTY	M C M C	Allocated Receipt Quantity
QTY	M M M SO	Fuel Quantity
QTY	C C C C	Adjustment Quantity
QTY	SO SO SO SO	Operational Delivery Quantity
QTY	SO SO SO SO	Operational Receipt Quantity
QTY	SO SO SO SO	Scheduled Delivery Quantity
QTY	SO SO SO SO	Scheduled Receipt Quantity
QTY	SO SO SO SO	Scheduling Tolerance Delivery Quantity
QTY	SO SO SO SO	Scheduling Tolerance Receipt 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**Imbalance Reporting Type = Pathed**

ST*811*0001
BIG*19990608*1*****F6
DTM*102****DT*199906082223
DTM*582****CM*199905
N1*40**1*123456789
N1*41**1*987654321
PER*IC*JOE ACCOUNTANT*TE*18005551212
HL*1**IB
IT1*1
LQ*IRT*PR
QTY*CB*175
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*2*1*9
IT1*1
NM1*US*3*****1*345678901
LCD**M2***DR*100158
N9*UP*K1234
NM1*DW*3*****1*234567890
LCD**MQ***DR*21098
N9*DT*K5678
HL*3*2*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G5*100
QTY*G6*90
QTY*R9*10
TDS*0
SE*30*0001

Imbalance Reporting Type = Non-Pathed

ST*811*0001
BIG*19990608*1*****F6
DTM*102****DT*199906082223
DTM*582****CM*199905
N1*40**1*123456789
N1*41**1*987654321
PER*IC*JOE ACCOUNTANT*TE*18005551212
HL*1**IB
IT1*1
LQ*IRT*NR
QTY*CB*175
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*2*1*9
IT1*1
NM1*DW*3*****1*111333555
LCD**MQ***DR*432567
HL*3*2*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G6*3456
QTY*R9*123
TDS*0
SE*25*0001

Imbalance Reporting Type = Pathed Non-threaded - Threaded

ST*811*0001
BIG*19990608*1*****F6
DTM*102****DT*199906082223
DTM*582****CM*199905
N1*40**1*123456789
N1*41**1*987654321
PER*IC*JOE ACCOUNTANT*TE*18005551212
HL*1**IB
IT1*1
LQ*IRT*TR
QTY*CB*175
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*2*1*9
IT1*1
NM1*US*3*****ZZ*N/A
LCD**M2***DR*100158
NM1*DW*3*****ZZ*N/A
LCD**MQ***DR*21098
HL*3*2*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G5*210
QTY*G6*185
QTY*R9*25
TDS*0
SE*28*0001

Imbalance Reporting Type = Pathed Non-threaded - Threaded and Unthreaded

ST*811*0001
BIG*19990608*1*****F6
DTM*102****DT*199906082223
DTM*582****CM*199905
N1*40**1*123456789
N1*41**1*987654321
PER*IC*JOE ACCOUNTANT*TE*18005551212
HL*1**IB
IT1*1
LQ*IRT*TR
QTY*CB*175
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*2*1*9
IT1*1
NM1*US*3*****ZZ*N/A
LCD**M2***DR*100158
NM1*DW*3*****ZZ*N/A
LCD**MQ***DR*21098
HL*3*2*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G5*210
QTY*G6*185
QTY*R9*25
HL*4**IB
IT1*1
LQ*IRT*UR
NM1*78*3*****1*123456789
REF*KSR*X-1.0128
HL*5*4*9
IT1*1
NM1*US*3*****1*345678901
LCD**M2***DR*100158
HL*6*5*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G5*40
QTY*R9*9
NM1*DW*3*****1*234567890
LCD**MQ***DR*21098
HL*8*7*IA
IT1*1
DTM*405****RDT*199905010900-199906010900
LQ*EAR*A
QTY*G6*64
TDS*0
SE*50*0001