

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 | Segment Name/NAESB Data Element Name |
|---------|-------|--|
| ST | M | Transaction Set Header segment |
| BIG | M | Beginning Segment for Invoice (Producer Imbalance) segment |
| REF | M | Statement Basis |
| DTM | M | Imbalance Period |
| DTM | M | Statement Date/Time |
| N1 | M | Statement Recipient ID/Statement Recipient ID Proprietary Code |
| N1 | M | Preparer ID/Preparer ID Proprietary Code |
| PER | M | Preparer Contact Name |
| | M | Preparer Contact Phone Number |
| | SO | Preparer Contact Fax Number |
| | SO | Preparer Contact E-mail Address |

Detail:

| Segment | Usage | Segment Name/NAESB Data Element Name |
|---------|-------|--|
| HL | M | Hierarchical Level segment (Location) |
| IT1 | M | Baseline Item Data segment |
| MEA | C | Reporting Pressure Base |
| | C | Unit of Measure |
| QTY | M | Grand Total Production Deliveries |
| | M | Unit of Measure |
| NM1 | M | Location Operator/Location Operator Proprietary Code |
| LCD | M | Location Code/Location Proprietary Code |

Sub-detail:

| Segment | Usage | Segment Name/NAESB Data Element Name |
|---------|-------|--|
| HL | M | Hierarchical Level segment (Transportation Service Provider) |
| IT1 | M | Baseline Item Data segment |
| QTY | M | Total Production Deliveries |
| NM1 | M | Transportation Service Provider/ Transportation Service Provider Proprietary Code |

Sub-sub-detail:

| Segment | Usage | Segment Name/NAESB Data Element Name |
|---------|-------|--|
| HL | M | Hierarchical Level segment (Interest Owner Quantities) |
| IT1 | M | Baseline Item Data segment |
| MEA | M | Interest Owner Percentage |
| QTY | M | Beginning Imbalance Quantity |
| QTY | M | Entitlement Quantity |
| QTY | M | Production Delivery |
| QTY | M | Imbalance Quantity |
| QTY | M | Ending Imbalance Quantity |
| NM1 | M | Interest Owner/Interest Owner Proprietary Code |

Sub-detail:

| Segment | Usage | Segment Name/NAESB Data Element Name |
|---------|-------|---|
| HL | M | Hierarchical Level segment (Interest Owner Cumulative Quantities) |
| IT1 | M | Baseline Item Data segment |
| QTY | M | Cumulative Beginning Imbalance Quantity |
| QTY | M | Cumulative Imbalance Quantity |
| QTY | M | Cumulative Prior Period Adjustment |
| QTY | M | Cumulative Ending Imbalance Quantity |
| NM1 | M | Interest Owner/Interest Owner Proprietary Code |

Summary:

| Segment | Usage | Segment Name/NAESB Data Element Name |
|---------|-------|--------------------------------------|
| TDS | M | Total Monetary Value Summary segment |
| SE | M | Transaction Set Trailer |

SAMPLE ASC X12 TRANSACTION

ST*811*0001
 BIG*20000615*1*****F7
 REF*V0*A
 DTM*102****DT*200006151507
 DTM*582****CM*200004
 N1*40**1*123456789
 N1*41**1*987654321
 PER*IC*Jane Doe*TE*7135551212
 HL*34-134**
 IT1*1
 MEA**PU*14.73*80
 QTY*TO*350100*BZ
 NM1*OP*3*****1*246808642
 LCD**LCN***SV*XYZ
 HL*19-1*34-1*19
 IT1*1
 QTY*TT*350000
 NM1*SJ*3*****SV*Pipeline A
 HL*PP-1*19-1*PP
 IT1*1
 MEA**OX*.4167
 QTY*B9*72497
 QTY*BP*129967
 QTY*BX*57470
 QTY*BY*203315
 QTY*BZ*145845
 NM1*HA*3*****SV*Producer A
 IT1*2
 MEA**OX*.3125
 QTY*B9*-109371
 QTY*BP*-218746
 QTY*BX*-109375
 QTY*BY*0
 QTY*BZ*109375
 NM1*HA*3*****SV*Producer B
 IT1*3
 MEA**OX*.1041
 QTY*B9*36874
 QTY*BP*73754
 QTY*BX*36880
 QTY*BY*73315
 QTY*BZ*36435
 NM1*HA*3*****SV*Producer C
 IT1*4
 MEA**OX*.1667
 QTY*B9*0
 QTY*BP*15025
 QTY*BX*15025
 QTY*BY*73370
 QTY*BZ*58345
 NM1*HA*3*****SV*MMS RIK

HL*19-2*34-1*19

IT1*1

QTY*TT*100

NM1*SJ*3*****SV*Pipeline Z

HL*PP-1*19-2*PP

IT1*1

MEA**OX*.4167

QTY*B9*0

QTY*BP*38

QTY*BX*38

QTY*BY*80

QTY*BZ*42

NM1*HA*3*****SV*Producer A

IT1*2

MEA**OX*.3125

QTY*B9*0

QTY*BP*-.31

QTY*BX*-.31

QTY*BY*0

QTY*BZ*31

NM1*HA*3*****SV*Producer B

IT1*3

MEA**OX*.1041

QTY*B9*-500

QTY*BP*-.490

QTY*BX*10

QTY*BY*20

QTY*BZ*10

NM1*HA*3*****SV*Producer C

IT1*4

MEA**OX*.1667

QTY*B9*500

QTY*BP*483

QTY*BX*-17

QTY*BY*0

QTY*BZ*17

NM1*HA*3*****SV*MMS RIK

HL*R-1*34-1*R*0

IT1*1

QTY*BS*72497

QTY*BT*57508

QTY*BU*10

QTY*BV*130015

NM1*HA*3*****SV*Producer A

IT1*2

QTY*BS*-109371

QTY*BT*-109406

QTY*BU*-5

QTY*BV*-218782

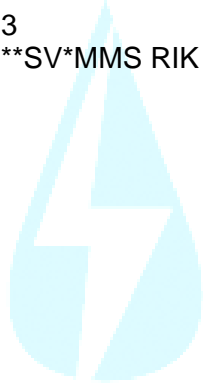
NM1*HA*3*****SV*Producer B

IT1*3

QTY*BS*36374

QTY*BT*36890

QTY*BU*-10
QTY*BV*73754
NM1*HA*3*****SV*Producer C
IT1*4
QTY*BS*500
QTY*BT*15008
QTY*BU*5
QTY*BV*15013
NM1*HA*3*****SV*MMS RIK
TDS*0
SE*30*0001



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