Petroleum Data Exchange Batch (f/d/a Petroex) Version 3
Bill of Lading Types A & B
Approved by the Downstream E-Business Subcommittee

In the past, the term PETROEX has been used both generically to refer to the batch bill-of-lading record layouts and as a proprietary application name by GE Global Exchange Services.   With other vendors now participating in batch bill-of-lading data transfers, a decision was made by the Downstream E-Business Subcommittee to eliminate the confusion by creating a new generic name for the batch bill-of-lading record layouts.   The new generic name for the batch bill-of-lading record layouts is Petroleum Data Exchange Batch or the abbreviation PDXB.

Questions concerning this document can be emailed to Kathy Mason, Marathon Ashland Petroleum Company, at KEMason@MAPLLC.com Depending on the volume and the nature of the questions, some emails may be distributed to other task force members to provide a response.

As the new PDXB bills of lading will contain more data than in the original version of PDXB, the bill of lading record is being split into two records, a Type A Record and a Type B Record. The new records will be keyed or tied together with the Company Code, SPLC and the bill of lading number. For each Company Code, SPLC, BOL Number combination, there will be one Type A Record for the entire load and an individual Type B Record for each product.

AN indicators in the length column describe usage of the field, not necessarily the acceptable values. A numeric field would drop any leading zeroes while an alpha-numeric field would not. Some fields are defined as alpha-numeric with only numeric values accepted. **M** = mandatory field, **O** = optional field.

Type A Record:

Ref #	Field Name	Cols	Length	Description
1	System	1 **M**	1 AN	Name of the system, P=PDXB.
2	Version	2-3 **M**	2 AN	Numeric version of the system. „01" = version 1, 69 column old format „02" = version 2, 80 column old format '03' = version 3, new A,B record format
3	Record Type	4 **M**	1 AN	An alpha-numeric code used to identify and separate different PDXB formats. (A for Type A Records.)

4	Company Code	5-7 **M**	3 AN	An alpha-numeric field used to identify the sending/receiving company. Sending companies input the receiver's code and receivers get sender's code. While the version bridge exists, only 2 character codes will be used.
5	SPLC Code	8-16 **M**	9 N	A numeric field used to identify the physical location of the terminal from which the product was withdrawn. Use 000 as the default SPLC extension.
6	TERMINAL CONTROL NUMBER	17-25 **M**	9 AN	An alpha-numeric field identifying the Internal Revenue Service"s Terminal Control Number. (Use "NON-IRS" if not applicable such as for an asphalt terminal or refinery)
7	BOL Number	26-41 **M**	16 AN	An alpha-numeric field, which contains the bill of lading, number. Right justify and fill with leading zeros.
8	Blank	42-49 **M**	8	
9	Start Load Date	50-57 **M**	8 N	The date that the load commenced formatted MMDDYYYY. (Year 2000 compatible)
10	Start Load Time	58-61 **M**	4 N	The time of day (terminal's local time) that the load commenced, formatted (HHMM) based on the 24-hour clock (00:00 - 23:59).
11	End Load Date	62-69 **M**	8 N	The date of load completion, formatted MMDDYYYY (year 2000 compatible).
12	End Load Time	70-73 **M**	4 N	The time of day (terminal's local time) that the load completed, formatted (HHMM) based on the 24-hour clock (00:00 - 23:59).
13	Consignee Number	74-87 **M**	14 AN	An alpha-numeric field which identifies the consignee as it appears on the BOL.

14	Destination State Code	88-89 **M**	2 N	Numeric code to identify the destination state. (FIPS). Codes can be obtained from www.itL.nist.gov/fipspubs/55new/ or www.epa.gov/enviro/html/codes/state.html
15	Destination County Code	90-92 **M**	3 N	Numeric code to identify the destination county. (FIPS)
16	Destination City Code	93-97 **M**	5 N	Numeric code to identify the destination city. (FIPS)
17	Carrier Code	98-101 **M**	4 AN	Alpha-numeric field containing the Standard Carrier Alpha Code (SCAC) to identify the carrier. The SCAC codes are maintained and distributed by the National Motor Freight Traffic Association as Continental Directory NMF101.
18	Carrier FEIN	102-111 **M**	10 AN	Carrier's Federal Employer Identification Number. Use 9 digit FEIN followed by the letter F. If the carrier does not have a FEIN, use the carrier"s Social Security Number followed by the letter S. If unknown, use 000000000U.
19	Vehicle Number	112-121 **O**	10 AN	This is used when the supplying company's own vehicles are used, otherwise it should be set to blanks.
20	Vehicle Type	122 **M**	1 AN	Type of vehicle used: B = Barge, D = Dray Truck, P = Pipeline, R = Rail, S = Vessel / Tanker, T = Tank Truck, X = Book Transfer
21	Third Party	123-125 **O**	3 AN	To generate a Third Party record, insert a valid PDXB Company Code in this field. While the version bridge exists, only 2 character codes will be used. Example: **ZZ**

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22	Purchase Order Number	126-155 **O**	30 AN	An alpha-numeric field containing the purchase order number.
23	Release Number	156-165 **O**	10 AN	An alpha-numeric field containing the release number.
24	Split Load Flag	166 **O**	1 AN	A split load indicates instances where compartments on the same truck are loaded from different lanes at a terminal requiring the driver to card in and card out as he moves from lane to lane to complete a load. Y indicates split load. Leave blank if not used.
25	Time Zone	167-169 **M**	3 AN (I)	Terminal Location Time Zone offset from Eastern Time, i.e., a terminal located in Denver, CO(MT) would have a value of „02-'. Minus sign will follow the number.
26	Shipper Info	170-179 **O**	10 AN	Various shipper defined information.
	TOTAL		179	

Type B Record:

Ref #	Field Name	Cols	Length	Description
27	System	1 **M**	1 AN	Name of the system, P=PDXB.
28	Version	2-3 **M**	2 AN	Numeric version of the system. '03' = version 3.
29	Record Type	4 **M**	1 AN	A alpha-numeric code used to identify and separate different PDXB formats. (B for Type B Records.
30	Company Code	5-7 **M**	3 AN	An alpha-numeric field used to identify the sending/receiving company. Sending companies input the receiver's code and receivers get sender's code. While the version bridge exists, only 2 character codes will be used.

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	SPLC Code	8-16 **M**	9 N	A numeric field used to identify the physical location of the terminal from which the product was withdrawn
31	TERMINAL CONTROL NUMBER	17-25 **M**	9 AN	An alpha-numeric field identifying the Internal Revenue Service"s Terminal Control Number. (Use "NON-IRS" if not applicable such as for an asphalt terminal or refinery)
32	BOL Number	26-41 **M**	16 AN	An alpha-numeric field, which contains the bill of lading, number. Right justify and fill with leading zeros.
33	Blank	42-49 **M**	8	
34	Component Product Code	50-52 **M**	3 AN	A code which identifies the component product loaded. Codes used are the Oil Industry Common Product Codes. The codes are maintained and available from the Downstream E-Business Subcommittee.
35	Finished Product Code	53-55 **M**	3 AN	A code which identifies the finished product loaded. **(If there was no blending, the Component and Finished Product Codes should be the same code.)** Codes used are the Oil Industry Common Product Codes. The codes are maintained and available from the Downstream E-Business Subcommittee.
36	Gross Quantity	56-65 **M**	10 N	A numeric un-signed field which represents the gross (metered) quantity of product loaded. Front fill with zeroes. Last 2 positions are implied decimal points (ex. 1453 gallons would be represented as 0000145300).

37	Gross Credit Sign	66 **M**	1 AN	If the Gross Quantity is negative, enter a minus '-' sign. Leave blank if positive.
38	Net Quantity or Temperature / Gravity	67-76 **M**	10 N	A numeric un-signed field which either represents the net (adj. To 60 degrees) quantity of product loaded (front filled with zeroes) or the Fahrenheit temperature and PIDX gravity of the product in the form TTTTGGGG preceded by 2 zeroes. Temperature and gravity each have one implied decimal point. For net quantity, the last 2 positions are implied decimal points (ex. 1453 gallons would be represented as 0000145300).
39	Net Credit Sign	77 **M**	1 AN	If the Net Quantity or Temperature / Gravity is negative, enter a minus '-' sign. Leave blank if positive.
40	Blend Or Alteration Indicator	78 **M**	1 AN	A code which indicates that there has been some modification to the product. 0 = No blend or alteration 1 = Truck blended with another product 2 = Contains additive 3 = Blended and contains additive 4 = Contains detergent additive 5 = Blended and contains detergent additive 6 = 24 hour blend 7 = Contains IVD detergent additive
41	Measurement Type	79 **M**	1 AN	Indicator defining the measurement used: G = Gallons L = Liters B = Barrels C = Cubic Centimeters P = Pounds T=Thousandths

42	Temp/Net Quantity Flag	80 **M**	1 N	A flag which indicates which type of data has been entered. A setting of "0" implies Temp/Gravity and "1" indicates net quantity. Only option 1 will be allowed until the version bridge is eliminated.
	Total Record Length		80	

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Sub-Total (Type 4)

Ignore temperature/gravity type B records from the cumulative net quantity calculations for Sub-Total type 4 records. Include the gross quantity of temperature/gravity type B records in the cumulative gross quantity calculations for Sub-Total type 4 records.

	Field Name	Cols	Length	Description
43	System	1 **M**	1 AN	Name of the system, P=PDXB.
44	Version	2-3 **M**	2 AN	Numeric version of the system. „01" = version 1, 69 column old format „02" = version 2, 80 column old format '03' = version 3, new A,B record format
45	Record Type	4 **M**	1 AN	A alpha-numeric code used to identify and separate different PDXB formats. (4 for Type 4 Records.)
46	Company Code	5-7 **M**	3 AN	An alpha-numeric field used to identify the sending/receiving company. Sending companies input the receiver's code and receivers get sender's code. While the version bridge exists, only 2 character codes will be used.
47	SPLC Code	8-16 **M**	9 N	A numeric field used to identify the physical location of the terminal from which the product was withdrawn. If the preceding records were type B, use the same SPLC code. Enter a type 4 record every time the SPLC changes.
48	Record Count	17-22**M**	6 N	A numeric unsigned field indicating the number of preceding BOL records (Type A + B + 4) including this record.
49	Blank	23-45**M**	23 AN	
50	Gross Quantity Sub-Total	46-55**M**	10 N	Numeric field that is the sum of the Gross Gallons (preceding type B records). Last 2 positions are implied decimal points (ex. 1453 gallons would

				be represented as 0000145300).
51	Gross Credit Sign	56 **M**	1AN	If the Gross Quantity is negative, enter a minus „-„ sign. Leave blank if positive.
52	Net Quantity Sub-Total	57-66**M**	10 N	Numeric field that is the sum of the Net Gallons (preceding type B records). Last 2 positions are implied decimal points (ex. 1453 gallons would be represented as 0000145300).
53	Net Credit Sign	67 **M**	1AN	If the Net Quantity is negative, enter a minus „-„ sign. Leave blank if positive.
54	Blank	68-80**M**	13AN	
	Total Record Length		80	

Total Transmission (Type 5 and Type 6)

Ignore temperature/gravity type B records from the cumulative net quantity calculations for Total type 5/6 records. Include the gross quantity of temperature/gravity type B records in the cumulative gross quantity calculations for Total type 5/6 records.

Ref #	Field Name	Cols	Length	Description
55	System	1 **M**	1 AN	Name of the system, P=PDXB.
56	Version	2-3 **M**	2 AN	Numeric version of the system. „01‟ = version 1, 69 column old format „02‟ = version 2, 80 column old format '03' = version 3, new A,B record format
57	Record Type	4 **M**	1 AN	A alpha-numeric code used to identify and separate different PDXB formats. (5 for Type 5 Records.) Type 5 is used for files being sent. Type 6 is generated for files being received.
58	Blank	5-21 **M**	17 AN	
59	Grand Total	22-27**M**	6 N	Numeric field containing the count of all preceding records.
60	Blank	28-45**M**	18 AN	
61	Grand Total Gross Quantity	46-55**M**	10 N	Numeric field that is the sum of the Gross Quantity for the preceding type B records. Last 2 positions are implied decimal points (ex. 1453 gallons would be represented as 0000145300).
62	Gross Credit Sign	56 **M**	1 AN	If the Gross Quantity is negative, enter a minus „-‟ sign. Leave blank if positive.
63	Grand Total Net Quantity	57-66**M**	10 N	Numeric field that is the sum of the Net Quantity for the preceding type B records. Last 2 positions are implied decimal points (ex. 1453 gallons would be represented as 0000145300).
64	Net Credit Sign	67 **M**	1 AN	If the Net Quantity is negative,

				enter a minus'-' sign. Leave blank if positive.
65	Blank	68-80	13AN	
	Total Record Length		80	

Recommended Editing

If mandatory fields are left blank, data should be rejected. When data is rejected for a blank mandatory field, totals not matching PDXB calculated totals, or missing record types, the entire transaction file should be rejected. Data should NOT be distributed until the entire transaction file has passed edit validation.

Type A Record:

Field Name	Cols	Length	Edits
System	1 **M**	1	Equal to 'P'
Version	2-3 **M**	2	Not less than '01' and not greater than '03'
Record Type	4 **M**	1	Equal to 'A'
Company Code	5-7 **M**	3	Left justify and validate against Company Code Database. Program will flip sender/receiver codes.
SPLC Code	8-16 **M**	9	Each position must be equal to 0-9 and not blank.
TERMINAL CONTROL NUMBER	17-25 **M**	9	No blanks. Each position must be equal to 0-9 and/or A-Z. Allow 000000000 to represent unknown.
BOL Number	26-41 **M**	16	Each position must be equal to 0-9 and/or A-Z and/or leading, trailing or embedded blanks. Will not accept 16 blanks.
Blank	42-49 **M**	8	
Start Load Date	50-57 **M**	8	Valid date less than or equal to today, Year > 1995
Start Load Time	58-61 **M**	4	Hour 00-23, Minute 00-59
End Load Date	62-69 **M**	8	Valid date less than or equal to today, Year > 1995 And greater than or equal to start of load date.
End Load Time	70-73 **M**	4	Hour 00-23, Minute 00-59; greater than or equal to start of load date and time.
Consignee Number	74-87 **M**	14	Each position must be equal to 0-9 and/or A-Z and/or leading, trailing or embedded blanks. Will not accept 14 blanks.
Destination State Code	88-89 **M**	2	Each position must be equal to 0-9, No Blanks
Destination County Code	90-92 **M**	3	Each position must be equal to 0-9, No Blanks
Destination City Code	93-97 **M**	5	Each position must be equal to 0-9, No Blanks
Carrier Code	98-101 **M**	4	Each position must be equal to A-Z. Will not accept 4 blanks.

Carrier FEIN	102-111 **M**	10	Must equal 0-9 in first nine places, F, S or U in 10th position
Vehicle Number	112-121 **O**	10	Each position must be to 0-9, A-Z or blanks
Vehicle Type	122 **M**	1	Must be equal to 'B', 'D', 'P', 'R', 'S', 'T', or 'X'
Third Party	123-125 **O**	3	Left justify and validate against Company Code Database.
Purchase Order Number	126-155 **O**	30	Each position must be equal to 0-9, A-Z or blanks
Release Number	156-165 **O**	10	Each position must be equal to 0-9 or blanks
Split Load Flag	166 **O**	1	Must be equal to 'Y' or ' '
Time Zone	167-169 **M**	3	The first two positions must be equal to 0-9. The last position must be blank or '-'.
Shipper Info	170-179 **O**	10	No Edit
TOTAL		179	

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Type B Record:

Field Name	Cols	Length	Description
System	1 **M**	1	Equal to 'P'
Version	2-3 **M**	2	Must match same field in Type A Record
Record Type	4 **M**	1	Equal to 'B'
Company Code	5-7 **M**	3	Must match same field in Type A Record
SPLC Code	8-16 **M**	9	Must match same field in Type A Record
TERMINAL CONTROL NUMBER	17-25 **M**	9	Must match same field in Type A Record
BOL Number	26-41 **M**	16	Must match same field in Type A Record
Blank	42-49 **M**	8	
Component Product Code	50-52 **M**	3	Not 3 blanks
Finished Product Code	53-55 **M**	3	Not 3 blanks
Gross Quantity	56-65 **M**	10	Each position must be equal to 0-9
Gross Credit Sign	66 **M**	1	Must be equal to blank or '-'
Net Quantity or Temperature / Gravity	67-76 **M**	10	Each position must be equal to 0-9
Net Credit Sign	77 **M**	1	Must be equal to blank or '-'
Blend Or Alteration Indicator	78 **M**	1	Must be equal to 0-9 or A-Z. Not a blank.
Measurement Type	79 **M**	1	Must be equal to 'G', 'B', 'P', 'L', 'C', or 'T'
Temp/Net Quantity Flag	80 **M**	1	Must equal 1
Total Record Length		80	

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Sub-Total (Type 4)

Field Name	Cols	Length	Description
System	1 **M**	1	Equal to 'P'
Version	2-3 **M**	2	Must match same field in Type A Record
Record Type	4 **M**	1	A alpha-numeric code used to identify and separate different PDXB formats. (4 for Type 4 Records.)
Company Code	5-7 **M**	3	Must match same field in Type A Record
SPLC Code	8-16 **M**	9	Must match same field in Type A Record
Record Count	17-22**M**	6	Must match the count calculated by PDXB program.
Blank	23-45**M**	23	
Gross Quantity Sub-Total	46-55**M**	10	Must match the sum calculated by PDXB program.
Gross Credit Sign	56 **M**	1	Must equal '-' or blank
Net Quantity Sub-Total	57-66**M**	10	Must match the sum calculated by PDXB program.
Net Credit Sign	67 **M**	1	Must equal '-' or blank
Blank	68-80**M**	13	
Total Record Length		80	

Total Transmission (Type 5 and Type 6)

Field Name	Cols	Length	Description
System	1 **M**	1	Equal to 'P'
Version	2-3 **M**	2	Must match same field in Type A Record
Record Type	4 **M**	1	Must equal 5 if type 5 record or Must equal 6 if type 6 record
Blank	5-21 **M**	17	
Grand Total	22-27 **M**	6	Must match the count calculated by PDXB program.
Blank	28-45 **M**	18	
Grand Total Gross Quantity	46-55 **M**	10	Must match the sum calculated by PDXB program.
Gross Credit Sign	56 **M**	1	Must equal '-' or blank
Grand Total Net Quantity	57-66 **M**	10	Must match the sum calculated by PDXB program.
Net Credit Sign	67 **M**	1	Must equal '-' or blank
Blank	68-80	13	
Total Record Length		80	

PDXB - Version 3
Mapping From Old To New Record
NEW = NEW VERSION, OLD = OLD VERSION.

Type 1 Record:

Field Name	Cols	Length	Description
Record Type	1	1	No mapping. For each old type 1, a new type A will be created and for each product, a type B will be created.
Company Code	2-3	2	Copy 2-3 to columns 5-6 new A & 5-6 new B. Leave column 7 blank in new A and new B.
SPLC Code	4-9	6	Copy 4-9 to columns 8-13 new A & 8-13 new B. Put 000 in columns 14-16 new A and new B.
BOL Number	10-18	9	Copy columns 10-18 to columns 33-41 new A & 33-41 new B. Fill columns 26-32 in both new A & B with zeroes.
Product Code	19-21	3	Copy columns 19-21 to both the component (cols. 50-52) and finished (cols. 53-55) product fields in the new B.
Shipping Date	22-27	6	Copy to both date fields (cols. 50-57 & 62-69) in the new A record. Use 87 logic to convert to a four digit year (YY<87 then century = 20 else century = 19).
Consignee Number	28-39	12	Copy 28-39 to columns 74-85 new A. Leave columns 86-87 in new A blank.
Third Party	40-41	2	Copy 40-41 to columns 122-123 new A, leaving 124 in new A blank.
Carrier Code	42-45	4	Copy 42-45 to columns 97-100 new A.
Gross Gallons	46-53	8	Copy 46-53 to columns 56-63 new B. Insert 00 in 64-65 new B.
Net Gallons	54-61	8	Copy 54-61 to columns 67-74 new B. Insert 00 in 75-76 new B.
Credit Indicator	62	1	If 62 = 0, no mapping. If 62 = 1, insert a minus sign (-) in columns 66 and 77 of new B.

Blend or Alteration Indicator	63	1	Copy 63 to column 78 in new B.
Vehicle Number	64-69	6	Copy 64-69 to columns 111-116 in new A. Insert zeroes in columns 117-120 of new A.
Hour of Load	70-73	4	Copy 70-73 to both the Start Load Time (cols. 58-61) and the End Load Time (cols. 70-73) of new A.
Percent Oxygenate by Weight	74-76	3	No mapping.
Blank	77-78	2	No mapping.
Third Party Flag	79	1	No mapping.
Continuation Flag	80	1	No mapping.

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Mapping From New To Old Record
NEW = NEW VERSION, OLD = OLD VERSION.

Type A Record:

Field Name	Cols	Length	Description
System	1 **M**	1	No mapping
Version	2-3 **M**	2	No mapping
Record Type	4 **M**	1	Change to type 1, Copy to column 1 old.
Company Code	5-7 **M**	3	No 3 character codes will be assigned until the version conversion bridge is eliminated. Copy 2 character company code to columns 2-3 old.
SPLC Code	8-16 **M**	9	Copy columns 8-13 to columns 4-9 old.
TERMINAL CONTROL NUMBER	17-25 **M**	9	No mapping.

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Blend or Alteration Indicator	63	1	Copy 63 to column 78 in new B.
Vehicle Number	64-69	6	Copy 64-69 to columns 111-116 in new A. Insert zeroes in columns 117-120 of new A.
Hour of Load	70-73	4	Copy 70-73 to both the Start Load Time (cols. 58-61) and the End Load Time (cols. 70-73) of new A.
Percent Oxygenate by Weight	74-76	3	No mapping.
Blank	77-78	2	No mapping.
Third Party Flag	79	1	No mapping.
Continuation Flag	80	1	No mapping.

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NEW = NEW VERSION, OLD = OLD VERSION.

Type A Record:

Field Name	Cols	Length	Description
System	1 **M**	1	No mapping
Version	2-3 **M**	2	No mapping
Record Type	4 **M**	1	Change to type 1, Copy to column 1 old.
Company Code	5-7 **M**	3	No 3 character codes will be assigned until the version conversion bridge is eliminated. Copy 2 character company code to columns 2-3 old.
SPLC Code	8-16 **M**	9	Copy columns 8-13 to columns 4-9 old.
TERMINAL CONTROL NUMBER	17-25 **M**	9	No mapping.

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BOL Number	26-41 **M**	16	Drop columns 26-32, Copy columns 33-41 to columns 10-18 old.
Blank	42-49 **M**	8	No mapping.
Start Load Date	50-57 **M**	8	No mapping
Start Load Time	58-61 **M**	4	No mapping
End Load Date	62-69 **M**	8	Copy columns 62-65 to 22-25 old. Drop columns 66-67. Copy columns 68-69 to 26-27 old.
End Load Time	70-73 **M**	4	Copy columns 70-73 to 70-73 old.
Consignee Number	74-87 **M**	14	Copy 74-85 to 28-39 old. Drop columns 86-87
Destination State Code	88-89 **M**	2	No mapping.
Destination County Code	90-92 **M**	3	No mapping.
Destination City Code	93-97 **M**	5	No mapping.
Carrier Code	98-101 **M**	4	Copy 97-100 to 42-45 old.
Carrier FEIN	102-111 **M**	10	No mapping.
Vehicle Number	112-121 **O**	10	Copy 111-116 to 64-69 old. Drop columns 117-120.
Vehicle Type	122 **M**	1	No mapping.
Third Party	123-125 **O**	3	No 3 character codes will be assigned until the version conversion bridge is eliminated. Copy 2 character third party company code to columns 40-41 old.

Purchase Order Number	126-155 **O**	30	No mapping
Release Number	156-165 **O**	10	No mapping.
Split Load Flag	166 **O**	1	No mapping.
Time Zone	167-169 **M**	3	No mapping.
Shipper Info	170-179 **O**	10	No mapping.
TOTAL		179	

Type B Record:

Field Name	Cols	Length	Description
System	1 **M**	1	No mapping.
Version	2-3 **M**	2	No mapping.
Record Type	4 **M**	1	No mapping.
Company Code	5-7 **M**	3	No mapping - mapped from Type A.
SPLC Code	8-16 **M**	9	No mapping - mapped from Type A.
TERMINAL CONTROL NUMBER	17-25 **M**	9	No mapping.
BOL Number	26-41 **M**	16	No mapping - mapped from Type A.
Blank	42-49 **M**	8	No mapping.
Component Product Code	50-52 **M**	3	No mapping.
Finished Product Code	53-55 **M**	3	Copy columns 53-55 to 19-21 old.
Gross Quantity	56-65 **M**	10	Copy columns 56-63 to 46-53 old.

Gross Credit Sign	66 **M**	1	No mapping.
Net Quantity or Temperature / Gravity	67-76 **M**	10	Copy net gallons only to columns 54-61 old.
Net Credit Sign	77 **M**	1	If blank, insert a zero in column 62 old. If minus sign, insert a 1 in column 62 old.
Blend Or Alteration Indicator	78 **M**	1	Copy column 78 to 63 old.
Measurement Type	79 **M**	1	No mapping.
Temp/Net Quantity Flag	80 **M**	1	No mapping.
Total Record Length		80	

PDXB – Version 3
Mapping from Old to New Record
New = New Version, Old = Old Version

Type 4 (SubTotal)

Field Name	Cols	Length	Description
Record Type	1	1	Copy 1 to column 1 new.
Company Code	2-3	2	Copy 2-3 to columns 2-3 new. Leave column 4 blank in new.
SPLC Code	4-9	6	Copy 4-9 to columns 5-10 new. Put 000 in columns 11-13 new.
Not used	10-21	12	Blank, no mapping.
Record Count	22-27	6	Count preceding Type A + Type B + this Type 4 record. Put in columns 22-27 new.
Not used	28-45	18	Blank, no mapping.
Gross Quantity Sub-Total	46-53	8	Sum preceding Type B gross volume. Put in columns 46-53 new. Insert 00 in 54-55 new.
Net Quantity Sub-Total	54-61	8	Sum preceding Type B net volume. Put in columns 57-64 new. Insert 00 in 65-66 new.

| Credit Indicator | 62 | 1 | If 62 = 0, no mapping. |
| | | | If 62 = 1, insert a minus sign (-) in column 56 and 67 new. |

Not used	63-80	18	Blank, no ma in
Total Record Length		80	

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PDXB – Version 3
Mapping from New to Old Record
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Type 4 (SubTotal)

Field Name	Cols	Length	Description
Record Type	1	1	Copy 1 to column 1 old.
Company Code	2-4	3	Copy 2-3 to columns 2-3 old.
SPLC Code	5-13	9	Copy 5-10 to columns 4-9 old.
Not used	14-21	8	Blank, no mapping.
Record Count	22-27	6	Count preceding Type 1 + this Type 4 record. Put in columns 22-27 old.
Not used	28-45	18	Blank, no mapping.
Gross Quantity Sub-Total	46-55	10	Sum preceding Type 1 gross volume. Put in columns 46-53 old.
Gross Credit Sign	56	1	Not mapped.
Net Quantity Sub-Total	57-66	10	Sum preceding Type 1 net volume. Put in columns 54-61 old.
Net Credit Sign	67	1	If blank, put 0 in column 62 old. If negative (-), put 1 in column 62 old.
Not used	68-80	13	Blank, no mapping.
Total Record Length		80	

PDXB – Version 3
Mapping from Old to New Record
New = New Version, Old = Old Version

Type 5 (Total Transmission Send) and Type 6 (Total Transmission Receive)

Field Name	Cols	Length	Description
Record Type	1	1	Copy 1 to column 1 new.
Not used	2-21	20	Blank, no mapping.
Grand Total Record Count	22-27	6	Count all types of preceding records. (Type A + Type B + Type 4 and including this record. Put in columns 22-27 new.
Not used	28-45	18	Blank, no mapping.
Gross Quantity Grand Total	46-53	8	Sum preceding Type 4 gross volume. Put in columns 46-53 new. Insert 00 in 54-55 new.
Net Quantity Grand Total	54-61	8	Sum preceding Type 4 net volume. Put in columns 57-64 new. Insert 00 in 65-66 new.
Credit Indicator	62	1	If 62 = 0, no mapping. If 62 = 1, insert a minus sign (-) in column 56 and 67 new.
Not used	63-80	18	Blank, no mapping.
Total Record Length		80	

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PDXB – Version 3
Mapping from New to Old Record
New = New Version, Old = Old Version

Type 5 (Total Transmission Send) and Type 6 (Total Transmission Receive)

Field Name	Cols	Length	Description
Record Type	1	1	Copy 1 to column 1 old.
Not used	2-21	20	Blank, no mapping.
Grand Total Record Count	22-27	6	Count all types of preceding records. Type 1 + Type 4 + this record. Put in columns 22-27 old.
Not used	28-45	18	Blank, no mapping.
Gross Quantity Grand Total	46-55	10	Sum preceding Type 4 gross volume. Put in columns 46-53 old.
Gross Credit Sign	56	1	Not mapped.
Net Quantity Grand Total	57-66	10	Sum preceding Type 4 net volume. Put in columns 54-61 old.
Net Credit Sign	67	1	If blank, put 0 in column 62 old. If negative (-), put 1 in column 62 old.
Not used	68-80	13	Blank, no mapping.
Total Record Length		80	