

# 96 Byte Batch Processing Addendum

## Technical Specification

96-Byte Batch Processing Versions 01.3 - 01.7 Revision 4.0  
Addendum in Support of International Processing Enhancements  
Rev. 1  
July 14, 2009



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# Technical Specifications

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***96-Byte Batch Processing  
Versions 01.3 - 01.7 Revision 4.0  
Addendum in Support of International Processing  
Enhancements  
Rev. 1***

***Date 07/14/2009***



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4 Northeastern Boulevard  
Salem, New Hampshire 03079–1952  
603–896–6000  
[www.chasepaymentech.com](http://www.chasepaymentech.com)

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The following updates, additions, corrections have been incorporated in

**96–Byte for Batch Processing  
Versions 01.3 - 01.7 Revision 4.0**

**Addendum In Support of International Processing Enhancements  
Rev. 1**

<b>Page No(s)</b>	<b>Action</b>	<b>Description of Change</b>
<b>Detail Record</b>		
1-2	Updated	Merchant's Order Number field to change wording of the notes.
2-3	Updated	Amount field reworded to include Discover information and Visa International Level 3 information
<b>Product Records</b>		
4-8	Updated	To include notes for North America (U.S. and Canada) and International (Great Britain).
9-10	Added	New Product Record: Level 2 – Record #2 International (Great Britain).
11-47	Updated	To include notes for North America (U.S. and Canada) and International (Great Britain).
<b>APPENDIX V: Level 2 and Line Item Level Data</b>		
48-61	Updated	To include notes for International (Great Britain) and for Summary Tax and Line Item Data.

# TECHNICAL SPECIFICATIONS FOR BATCH PROCESSING

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# RECORD LAYOUTS

### Detail Record

1	2	3	4	5	6	7	8	9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456								
ANNNNNNAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNAANNNNNNAAAAAAAAAAAAAAAAAAAAAAAAAAAA								
S1234569876543219876543 BVI4123456789012345 1206000000004995840 1								

Position	Length	Data Type	Field Name	Comments
8,23	16	A	Merchant's Order Number	<p>A value composed of any alpha, blank, digit or punctuation combination that will be returned in the transaction response. This field will tie the request to the response.</p> <p>Left justified/blank filled</p> <p><b>Notes:</b> Merchants should pass the same order number on the authorization, deposit, and refund transactions. The order number should also remain the same for any individual authorization or deposit transaction that must be re-sent.</p> <p>Chase Paymentech looks at the entire 16-byte order number; however, the first eight bytes should be unique to the transaction.</p> <p>Bill Me Later transactions must pass the same order number on authorization and settlement transactions.</p> <p>Gift Card transactions <b>MUST</b> pass the same order number on authorization, redemption and reversal.</p> <p>Pay Pal utilizes all 16 characters of this field.</p> <p><b>North American (U.S. and Canada)</b> American Express, Discover, International Maestro, MasterCard, MasterCard Diners, and Visa utilize all 16 characters of this field.</p> <p><b>DO NOT USE the following punctuation: pipe ( ), caret (^), percent symbol (%), backslash (\), or forward slash (/).</b></p>

*Continued on next page*

# RECORD LAYOUTS (Continued)

**Detail Record, (Continued)**

1	2	3	4	5	6	7	8	9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456								
ANNNNNNAAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNANNNNNNAAAAAAAAAAAAAAAAAAAAAA								
S1234569876543219876543 BVI4123456789012345 1206000000004995840 1								

Position	Length	Data Type	Field Name	Comments
			Merchant's Order Number, (Continued)	<p><b>International (Great Britain)</b> International Maestro, MasterCard, UK Domestic Maestro (Switch/Solo), and Visa utilize the first 13 characters of this field. American Express utilizes the first 9 characters for Canada and the first 12 characters of this field for other countries.</p> <p><b>DO NOT USE the following punctuation: caret (^), backslash (\), open bracket ([), closed bracket (]), tilde (~), or accent key (`).</b> If used, the transaction will reject for Response Reason Code 225 (Invalid Field Data).</p>
51,62	12	N	Amount	<p>Amount of the authorization.</p> <p>2 decimal implied/right justified/zero filled</p> <p><b>Notes:</b> Minimum amount for all card types is \$0.01, but no greater than the established Transaction Division limit.</p> <p>Refer to Action Code comments for additional information on populating this field.</p> <p>Bill Me Later and Bill Me Later Private Label transaction minimum and maximum amount limits are agreed to between the merchant and BillMeLater.</p> <p>Carte Blanche will decline transactions for less than \$1.00.</p> <p>ECP transactions with action codes J or P, if the amount is greater than \$0.00, Chase Paymentech will process as \$0.00.</p> <p>This field must be all zeros when Action Code = F or the transaction will reject with Response Reason Code 202 (Bad Amount Non-numeric Amount).</p>

*Continued on next page*

**RECORD LAYOUTS  
(Continued)**

**Detail Record, (Continued)**

1	2	3	4	5	6	7	8	9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456								
ANNNNNNAAANNNNNNNNNNNNNNNNNNNNNNNNNNAANNNNNNAAAAAAAAAAAAAAAAAAAA								
S1234569876543219876543 BVI4123456789012345 1206000000004995840 1								

Position	Length	Data Type	Field Name	Comments																								
			Amount, (Continued)	<p>Maximum U.S. dollar amount per individual transaction for:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">MOP</th> <th style="width: 30%;">Authorization</th> <th style="width: 40%;">Deposit</th> </tr> </thead> <tbody> <tr> <td>American Express</td> <td style="text-align: right;">\$9,999,999.99</td> <td style="text-align: right;">\$9,999,999.99</td> </tr> <tr> <td>Discover</td> <td style="text-align: right;">\$99,999.99</td> <td style="text-align: right;">\$99,999.99</td> </tr> <tr> <td>MasterCard</td> <td style="text-align: right;">\$9,999,999.99</td> <td style="text-align: right;">\$9,999,999.99</td> </tr> <tr> <td>MasterCard Diners</td> <td style="text-align: right;">\$9,999,999.99</td> <td style="text-align: right;">\$9,999,999.99</td> </tr> <tr> <td>Other</td> <td style="text-align: right;">\$99,999.99</td> <td style="text-align: right;">\$99,999.99</td> </tr> <tr> <td>PayPal</td> <td style="text-align: right;">\$10,000.00</td> <td style="text-align: right;">\$10,000.00</td> </tr> <tr> <td>Visa</td> <td style="text-align: right;">\$9,999,999.99</td> <td style="text-align: right;">\$9,999,999.99</td> </tr> </tbody> </table> <p>Individual transactions that exceed the default limit must have the default limit increased in order for the transaction not to reject. Contact Chase Paymentech Merchant Services.</p>	MOP	Authorization	Deposit	American Express	\$9,999,999.99	\$9,999,999.99	Discover	\$99,999.99	\$99,999.99	MasterCard	\$9,999,999.99	\$9,999,999.99	MasterCard Diners	\$9,999,999.99	\$9,999,999.99	Other	\$99,999.99	\$99,999.99	PayPal	\$10,000.00	\$10,000.00	Visa	\$9,999,999.99	\$9,999,999.99
MOP	Authorization	Deposit																										
American Express	\$9,999,999.99	\$9,999,999.99																										
Discover	\$99,999.99	\$99,999.99																										
MasterCard	\$9,999,999.99	\$9,999,999.99																										
MasterCard Diners	\$9,999,999.99	\$9,999,999.99																										
Other	\$99,999.99	\$99,999.99																										
PayPal	\$10,000.00	\$10,000.00																										
Visa	\$9,999,999.99	\$9,999,999.99																										

## RECORD LAYOUTS (Continued)

**Product Record: Procurement Level 2 and Line Item Level Data – Record #1**

```

1      2      3      4      5      6      7      8      9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456
AAANNNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
PPC001CUSTREF123456789 000000000000
    
```

Position	Length	Data Type	Field Name	Comments
1	1	A	Product Record Identifier	"P" Constant – Specifies this record as a product record of the Chase Paymentech standard format.
2,3	2	A	Product Record Type	"PC" Constant
4,6	3	N	Product Record Sequence Number	"001" Constant
7,23	17	A	Customer Reference Number	<p>Purchase order or other number used by the merchant's customer to track the order.</p> <p>Left justified/blank filled</p> <p><b>Notes:</b> For American Express Corporate Purchasing Solutions (CPS) Level 2 processing, this field may be blank.</p> <p><b>North America (U.S. and Canada)</b></p> <p>For Visa Level 2 processing, this field may be blank.</p> <p>For Visa Level 3 processing, this field may be blank.</p> <p>For MasterCard and MasterCard Diners Level 2 processing, this field is not required (transaction will not reject); however, must be populated to qualify for best possible interchange rate.</p> <p>For MasterCard and MasterCard Diners Level 3 processing, this field is required. If this field is not populated, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).</p> <p>For MasterCard, MasterCard Diners, and Visa Level 2, if this field contains invalid characters, it is not sent to the Issuer.</p>

*Continued on next page*



**RECORD LAYOUTS  
(Continued)**

**Product Record: Procurement Level 2 and Line Item Level Data – Record #1, (Continued)**

1	2	3	4	5	6	7	8	9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456								
AAANNNAA								
PPC001CUSTREF123456789 000000000000								

Position	Length	Data Type	Field Name	Comments
			Customer Reference Number, (Continued)	<p><b>International (Great Britain)</b> For MasterCard Summary Tax and Line Item Detail processing, this field may be blank.</p> <p>For Visa Summary Tax or Line Item Detail processing, this field is required. If this field is not populated, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).</p>
24,35	12	N	Sales Tax Amount	<p>Amount of sales tax assessed to the transaction. 2 decimal implied/right justified/zero filled or blanks</p> <p><b>Notes:</b> The Sales Tax Amount field is used for MasterCard only.</p> <p>For American Express Corporate Purchasing Solutions (CPS) Level 2 processing, this field is not required (transaction will not reject).</p> <p>For American Express Corporate Purchasing Solutions (CPS) Level 2 processing this field can be all zeros.</p> <p><b>North America (U.S. and Canada)</b> For Visa Level 2 processing, the sales tax amount must be between 0.1% and 22% of the purchase price or the transaction will not qualify for the best possible interchange rate.</p> <p>For Visa Level 3 processing, this field may be blank.</p>

Continued on next page



**RECORD LAYOUTS  
(Continued)**

**Product Record: Procurement Level 2 and Line Item Level Data – Record #1, (Continued)**

1	2	3	4	5	6	7	8	9
1234567890123456789012345678901234567890123456789012345678901234567890123456	1234567890123456789012345678901234567890123456789012345678901234567890123456	1234567890123456789012345678901234567890123456789012345678901234567890123456	1234567890123456789012345678901234567890123456789012345678901234567890123456	1234567890123456789012345678901234567890123456789012345678901234567890123456	1234567890123456789012345678901234567890123456789012345678901234567890123456	1234567890123456789012345678901234567890123456789012345678901234567890123456	1234567890123456789012345678901234567890123456789012345678901234567890123456	1234567890123456789012345678901234567890123456789012345678901234567890123456
AAANNNAA								
PPC001CUSTREF123456789 000000000000								

Position	Length	Data Type	Field Name	Comments
74,88	15	A	Destination Zip/Postal Code	<p>The zip/postal code of the “ship to“ location. This field is equal to the “ship from” zip/postal code when the customer takes possession of the items at the merchant’s site. (Optional)</p> <p>Left justified/blank filled</p> <p><b>Note:</b> Used by American Express for Corporate Purchasing Solutions (CPS) Level 2. If this field is not supplied, the “ship to” zip (from the “ship to” address) is used. If neither is supplied, the merchant location postal code is used.</p>
89,96	8	A	Filler	Blanks

*Continued on next page*

**Product Record: Procurement Level 2 and Line Item Level Data – Record #1, (Continued)**

**Notes:** Subject to Issuer discretion whether this information will be displayed on the cardholder statement.

International transactions are defined as:

- Merchant domiciled in Great Britain

**AND**

- Card is issued in Great Britain

**American Express**

Level 2 is supported for American Express U.S. merchants only.

Ship To information should be sent when using this record.

**MasterCard, MasterCard Diners**

Level 2 is supported for MasterCard U.S. and Canada merchants.

Level 2 is supported for MasterCard Diners U.S. and Canada merchants.

Summary Tax and Line Item Data is supported for MasterCard Great Britain merchants.

Product Record: Procurement Level 2 and Line Item Level Data – Record #1 (PPC001) is required to process Level 3 for U.S. and Canada merchants.

Product Record: Procurement Level 2 and Line Item Level Data – Record #1 (PPC001) is **not** required to process international Summary Tax and Line Item Detail International Transactions.

**Visa**

Level 2 is supported for Visa U.S. and Canada merchants.

Summary Tax and Line Item Data is supported for Visa Great Britain merchants.

Product Record: Procurement Level 2 and Line Item Level Data – Record #1 (PPC001) is **not** required to process Level 3 for U.S. and Canada merchants.

Product Record: Procurement Level 2 and Line Item Level Data – Record #1 (PPC001) is required to process international Summary Tax and Line Item Detail International transactions. It is not required to process Level 3 for U.S. and Canada.

**RECORD LAYOUTS  
(Continued)**

**Product Record: Procurement Level 2 and Line Item Level Data, Record #2 – International  
(Great Britain)**

1	2	3	4	5	6	7	8	9
1234567890123456789012345678901234567890123456789012345678901234567890123456	AAANNNAAANNNNNNNNNNNNNNNNNNNNNAAAA							AAAAAAA
PPC002	ITEM DESCRIPTION			010000000002500GBHA123				└─┘

Position	Length	Data Type	Field Name	Comments
1	1	A	Product Record Identifier	“P” Constant – Specifies this record as a product record of the Chase Paymentech standard format.
2,3	2	A	Product Record Type	“PC” Constant
4,6	3	N	Product Record Sequence Number	“002” Constant
7,10	4	A	Commodity Code	Commodity Code used to categorize purchases for VAT reporting.  Left justified/blank filled  Valid values: LID – Line Item Detail SUMM – Summary Tax “ ” – Blanks (MasterCard only)
11,30	20	A	VAT ID	Merchant VAT ID.  See VAT ID Table for proper formatting.  <b>Note:</b> This field must be properly formatted or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
31,96	66	A	Filler	Blanks

*Continued on next page*

## RECORD LAYOUTS (Continued)

### Product Record: Procurement Level 2 and Line Item Level Data, Record #2 – International (Great Britain), (Continued)

#### VAT ID Table

Country	Format	Description of Format
Great Britain	GB999 9999 99	1 block of 3 digits, 1 block of 4 digits, and 1 block of 2 digits
	GB999 9999 99 999	1 block of 3 digits, 1 block of 4 digits, 1 block of 2 digits, and 1 block of 3 digits (identifies Branch Traders)
	GBGD999	1 block of 5 characters (identifies Government Departments)
	GBHA999	1 block of 5 characters (identifies Health Authorities)

**Notes:** International transactions are defined as:

- Merchant domiciled in Great Britain

**AND**

- Card is issued in Great Britain

#### MasterCard

This record is required for international Summary Tax and Line Item Detail transactions.

#### Visa

This record is required for international Summary Tax and Line Item Detail transactions.

Product Record: Procurement Level 2 and Line Item Level Data (PPC001) is required when sending this record or the transaction will reject with Response Reason Code 227 (Missing Companion Data).

# RECORD LAYOUTS (Continued)

## Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Order Level Record

1	2	3	4	5	6	7	8	9	
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456									
AAANNNAANNNNNNNNNAAANNNNNNNNNAA									
PP0001	000001599	00000159903079-1952USD03079-1952130131132133134				000001999			J

Position	Length	Data Type	Field Name	Comments
1	1	A	Product Record Identifier	“P” Constant – Specifies this record as a product record of the Chase Paymentech standard format.
2,3	2	A	Product Record Type	“P0” Constant
4,6	3	N	Product Record Sequence Number	“001” Constant
7,9	3	A	Filler	Blanks
10,18	9	N	Freight Amount	<p>Total freight or shipping and handling charges. 2 decimal implied/right justified/zero filled or blanks</p> <p><b>North America (U.S. and Canada)</b> Required for best possible interchange. See note at end of record.</p> <p><b>International (Great Britain)</b> For Summary Tax and Line Item Detail, this field cannot be all spaces or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).</p>
19,21	3	A	Filler	Blanks

**RECORD LAYOUTS  
(Continued)**

**Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Order Level Record, (Continued)**

1	2	3	4	5	6	7	8	9
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456	AAANNNAANNNNNNNNAAANNNNNNNAAANNNNNNNNNAAAAAAAAAAAA	PP0001	000001599	00000159903079-1952USD03079-1952130131132133134	000001999			J

Position	Length	Data Type	Field Name	Comments
22,30	9	N	Duty Amount	<p>Total charges for any import and/or export duties included in this transaction.</p> <p>2 decimal implied/right justified/zero filled or blanks</p> <p><b>Notes:</b></p> <p><b>North America (U.S. and Canada)</b> Required for best possible interchange. See note at end of record.</p> <p><b>International (Great Britain)</b> For Summary Tax and Line Item Detail, this field cannot be all spaces or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).</p>
31,40	10	A	Destination Zip/Postal Code	<p>The zip/postal code of the “ship to” location.</p> <p>Left justified/blank filled</p> <p><b>Notes:</b> This field is equal to the “ship from” postal/zip code when the customer takes possession of the items at the merchant’s site.</p> <p><b>North America (U.S. and Canada)</b> Required for best possible interchange rate. See note at end of record.</p>
41,43	3	A	Destination Country Code	<p>The alpha ISO country code of the country to which the goods were shipped.</p> <p>Left justified/blank filled</p>

*Continued on next page*



## RECORD LAYOUTS (Continued)

**Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Order Level Record, (Continued)**

1	2	3	4	5	6	7	8	9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456 AAANNNAAAANNNNNNNNNAAAANNNNNNNNNNAAANNNNNNNNNNAAAAAAAAAAAA PP0001 000001599 00000159903079-1952USD03079-1952130131132133134 000001999								

Position	Length	Data Type	Field Name	Comments
44,53	10	A	Ship From Zip/Postal Code	<p>The zip/postal code of the location from which the goods were shipped.</p> <p>Left justified/blank filled</p> <p><b>Note:</b></p> <p><b>North America (U.S. and Canada)</b>            Required for best possible interchange rate. See note at end of record.</p>
54,68	15	A	Alternate Tax ID	<p>Tax ID number for the alternate tax associated with this transaction.</p> <p>Left justified/blank filled</p> <p><b>Note:</b></p> <p><b>North America (U.S. and Canada)</b>            This field is required if there is an amount in Alternate Tax Amount.</p>
69,71	3	A	Filler	Blanks

Continued on next page

# RECORD LAYOUTS (Continued)

**Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Order Level Record, (Continued)**

1	2	3	4	5	6	7	8	9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456								
AAANNNAANNNNNNNNNNAANNNNNNNNNAAANNNNNNNNNNAAAAAAAAAAAAAA								
PP0001 000001599 00000159903079-1952USD03079-1952130131132133134 000001999 ↵								

Position	Length	Data Type	Field Name	Comments
72,80	9	N	Alternate Tax Amount	Total amount of alternate tax associated with this transaction.  2 decimal implied/right justified/zero filled or blanks  <b>Note:</b> <b><i>North America (U.S. and Canada)</i></b> For U.S. and Canada, if this field is populated, including zero filled, Alternate Tax ID is required.
81,92	12	N	VAT/Tax Amount	The total amount of VAT or other tax included in this transaction.  2 decimal implied/right justified/zero filled or blanks
93,96	4	A	Filler	Blanks

*Continued on next page*

## RECORD LAYOUTS (Continued)

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### Product Record: Procurement Level 3 – MasterCard and MasterCard Diners Order Level Record, (Continued)

#### Notes:

Subject to Issuer discretion whether this information will be displayed on the cardholder's statement.

International transactions are defined as:

- Merchant domiciled in Great Britain

#### AND

- Card is issued in Great Britain

#### **North America (U.S. and Canada)**

If any of the following fields are all spaces, or all nines, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange.

- Destination Zip/Postal Code (located on PP0 record)
- Ship From Zip/Postal Code (located on PP0 record)

If any of the following fields are all spaces, all zeros or a combination of spaces and zeros, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange.

- Description (located on PP1 record)
- Product Code (located on PP1 record)
- Quantity (located on PP1 record)
- Unit of Measure (located on PP1 record)
- Line Item Total (located on PP2 record)

For Fleet transactions that are non-fuel that occur at a fuel location, if the product code (located on PP1 record) is invalid, no Level 3 records will be sent to MasterCard.

Level 2, Product Record: Procurement Level 2 and Line Item Level Data – Record #1 (PPC001), is required for MasterCard and MasterCard Diners Level 3 interchange rate.

MasterCard Diners is supported by U.S. and Canada issuers only.

*Continued on next page*

## RECORD LAYOUTS (Continued)

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### Product Record: Procurement Level 3 – MasterCard and MasterCard Diners Order Level Record, (Continued)

Notes, (Continued):

#### ***International (Great Britain)***

If any of the following fields are all spaces, for a Summary Tax or Line Item Detail transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)

If any of the following fields are all spaces or all zeros, any of the Summary Tax or Line Item Detail records for a particular transaction, the transaction will not qualify for the best possible interchange rate:

- Description (located on PP1 record)
- Product Code (located on PP1 record)
- Quantity (located on PP1 record)
- Unit of Measure (located on PP1 record)

Either Description or Product Code is required to qualify for the best possible interchange rate. Both fields cannot be blank.

Unit Cost (located on PP2 record) cannot be all spaces or all zeros when Amount ("S" Record Input) is greater than GBP 2000.00 or EUR 4000.00 or the transaction will not qualify for best possible interchange rate.

Summary Tax or Line Item Detail information and Product Record: Procurement Level 2 and Line Item Data – Record #2 International (Great Britain) (PPC002) are required to qualify for best possible interchange rate.

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## RECORD LAYOUTS (Continued)

### Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Line Item Level Data – Record #1

(must match to corresponding MasterCard and MasterCard Diners Procurement Level 3 Line Item Level Data – Record #2)

1	2	3	4	5	6	7	8	9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456								
AAANNNNAAA								
PP1002LEATHER CHAIR LC101099 00002EA 00000129901000								

Position	Length	Data Type	Field Name	Comments
1	1	A	Product Record Identifier	“P” Constant – Specifies this record as a product record of the Chase Paymentech standard format.
2,3	2	A	Product Record Type	“P1” Constant
4,6	3	N	Product Record Sequence Number	Used to uniquely identify a line item within a “P0” record. A line item must consist of a matching P1 and P2 record submitted in sequential order and would increase in increments of one (1).  Valid values: 002 to 100  <b>Note:</b> See <i>Appendix V: Level 2 and Line Item Level Data</i> , for Record Sequence Number Example.
7,41	35	A	Description	Description of the item purchased. Left justified/blank filled  <b>Notes:</b>  <b>North America (U.S. and Canada)</b> Required for best possible interchange rate. See note at end of record.  <b>International (Great Britain)</b> For Summary Tax and Line Item Detail, this field is optional if the Product Code is provided.  Required for best possible interchange rate. See note at end of record.

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## RECORD LAYOUTS (Continued)

**Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Line Item Level Data – Record #1, (Continued)**

**(must match to corresponding MasterCard and MasterCard Diners Procurement Level 3 Line Item Level Data – Record #2)**

1	2	3	4	5	6	7	8	9
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456	AAANNNAAA	PP1002LEATHER	CHAIR	LC101099	00002EA	00000129901000		┘

Position	Length	Data Type	Field Name	Comments
59,61	3	A	Unit of Measure	The unit of measure, or unit of measure code used for this item. Left justified/blank filled <b>Notes:</b> <b><i>North America (U.S. and Canada)</i></b> Required for best possible interchange rate. See note at end of record. <b><i>International (Great Britain)</i></b> Required for best possible interchange rate. See note at end of record.
62,70	9	N	Tax Amount	Tax amount for this item. 2 decimal implied/right justified/zero filled or blanks
71,75	5	A	Tax Rate	Tax rate applied to the item. 5 decimal implied/right justified/zero filled or blanks <b>Examples:</b> 01000 = .01000 = 1% 02250 = .02250 = 2.25%
76, 96	21	A	Filler	Blanks

Continued on next page

## RECORD LAYOUTS (Continued)

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### Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Line Item Level Data – Record #1, (Continued)

### (must match to corresponding MasterCard and MasterCard Diners Procurement Level 3 Line Item Level Data – Record #2)

#### Notes:

Subject to Issuer discretion whether this information will be displayed on the cardholder's statement.

International transactions are defined as:

- Merchant domiciled in Great Britain

#### AND

- Card is issued in Great Britain

#### **North America (U.S. and Canada)**

If any of the following fields are all spaces for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange.

- Destination Zip/Postal Code (located on PP0 record)
- Ship From Zip/Postal Code (located on PP0 record)

If any of the following fields are all spaces or all zeros, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange.

- Description (located on PP1 record)
- Line Item Total (located on PP2 record)
- Product Code (located on PP1 record)
- Quantity (located on PP1 record)
- Unit of Measure (located on PP1 record)

For Fleet transactions that are non-fuel that occur at a fuel location, if the product code (located on PP1 record) is invalid, no Level 3 records will be sent to MasterCard.

Level 2, Product Record: Procurement Level 2 and Line Item Level Data – Record #1 (PPC001), is required for MasterCard and MasterCard Diners Level 3 interchange rate.

MasterCard Diners is supported by U.S. and Canada Issuers only.

*Continued on next page*



## RECORD LAYOUTS (Continued)

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### Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Line Item Level Data – Record #1, (Continued)

### (must match to corresponding MasterCard and MasterCard Diners Procurement Level 3 Line Item Level Data – Record #2)

Notes, (Continued):

#### ***International (Great Britain)***

If any of the following fields are all spaces, for a Summary Tax or Line Item Detail transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)

If any of the following fields are all spaces or all zeros, for any of the Summary Tax or Line Item Detail records for a particular transaction, the transaction will not qualify for the best possible interchange rate:

- Description (located on PP1 record)
- Product Code (located on PP1 record)
- Quantity (located on PP1 record)
- Unit of Measure (located on PP1 record)

Either Description or Product Code is required to qualify for the best possible interchange rate. Both fields cannot be blank.

Unit Cost (located on PP2 record) cannot be all spaces or all zeros when Amount ("S" Record Input) is greater than GBP 2000.00 or EUR 4000.00 or the transaction will not qualify for best possible interchange rate.

Summary Tax or Line Item Detail information and Product Record: Procurement Level 2 and Line Item Data – Record #2 International (Great Britain) (PPC002) are required to qualify for best possible interchange rate.

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## RECORD LAYOUTS (Continued)

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### Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Line Item Level Data – Record #2, (Continued)

(must match to corresponding MasterCard and MasterCard Diners Procurement Level 3 Line Item Level Data - Record #1)

#### Notes:

Subject to Issuer discretion whether this information will be displayed on the cardholder's statement.

International transactions are defined as:

- Merchant domiciled in Great Britain

#### AND

- Card is issued in Great Britain

#### **North America (U.S. and Canada)**

If any of the following fields are all spaces for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange:

- Destination Zip/Postal Code (located on PP0 record)
- Ship From Zip/Postal Code (located on PP0 record)

If any of the following fields are all spaces or all zeros, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange:

- Description (located on PP1 record)
- Line Item Total (located on PP2 record)
- Product Code (located on PP1 record)
- Quantity (located on PP1 record)
- Unit of Measure (located on PP1 record)

For Fleet transactions that are non-fuel that occur at a fuel location, if the product code (located on PP1 record) is invalid, no Level 3 records will be sent to MasterCard.

Level 2, Product Record: Procurement Level 2 and Line Item Level Data – Record #1 (PPC001), is required for MasterCard and MasterCard Diners Level 3 interchange rate.

MasterCard Diners is supported by U.S. and Canada issuers only.

*Continued on next page*

## RECORD LAYOUTS (Continued)

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### Product Record: Procurement Level 3 – MasterCard and MasterCard Diners: Record #2 – Line Item Level Data, (Continued)

(must match to corresponding Line Item Level Data Record #1)

Notes, (Continued):

#### ***International (Great Britain)***

If any of the following fields are all spaces, for a Summary Tax or Line Item Detail transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)

If any of the following fields are all spaces or all zeros, for any of the Summary Tax or Line Item Detail records for a particular transaction, the transaction will not qualify for best possible interchange rate:

- Description (located on PP1 record)
- Product Code (located on PP1 record)
- Quantity (located on PP1 record)
- Unit of Measure (located on PP1 record)

Either Description or Product Code is required to qualify for best possible interchange rate. Both fields cannot be blank.

Unit Cost (located on PP2 record) cannot be all spaces or all zeros when Amount ("S" Record Input) is greater than GBP 2000.00 or EUR 4000.00 or the transaction will not qualify for best possible interchange rate.

Summary Tax or Line Item Detail information and Product Record: Procurement Level 2 and Line Item Data – Record #2 International (Great Britain) (PPC002) are required to qualify for best possible interchange rate.

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## RECORD LAYOUTS (Continued)

### Product Record: Visa Procurement Level 3 – Order Level Record, (Continued)

1	2	3	4	5	6	7	8	9
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456								
AAA								
PP000100000000159900000000159903079-1952USD03079-19520000000000100000000030000010								

Position	Length	Data Type	Field Name	Comments
19,30	12	N	Duty Amount	Total charges for any import and/or export duties included in this transaction.  2 decimal implied/right justified/zero filled or blanks  <b>Notes:</b>  <b>North America (U.S. and Canada)</b> Required for best possible interchange rate. See note at end of record.  <b>International (Great Britain)</b> If this field is blank, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
31,40	10	A	Destination Zip/Postal Code	The zip/postal code of the “ship to” location.  Left justified/blank filled  <b>Note:</b> This field is equal to the “ship from” zip/postal code when the customer takes possession of the items at the merchant’s site.
41,43	3	A	Destination Country Code	The ISO-assigned code of the country to which the goods were shipped.  Left justified/blank filled
44,53	10	A	Ship From Zip/Postal Code	The zip/postal code of the location from which the goods were shipped.  Left justified/blank filled

*Continued on next page*

# RECORD LAYOUTS (Continued)

## Product Record: Visa Procurement Level 3 – Order Level Record, (Continued)

```

1      2      3      4      5      6      7      8      9
1234567890123456789012345678901234567890123456789012345678901234567890123456
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
PP000100000000159900000000159903079-1952USD03079-19520000000000100000000030000010

```

Position	Length	Data Type	Field Name	Comments
54,65	12	N	Discount Amount Applied to Order	<p>The total amount of discount applied to the transaction by the merchant.</p> <p>2 decimal implied/right justified/zero filled or blanks</p> <p><b>Notes:</b> Used by the merchant when a price break is given on an entire transaction rather than on unit prices. Typically, this is shown as a credit on a detailed invoice.</p> <p><b>North America (U.S. and Canada)</b> Required for best possible interchange rate. See note at end of record.</p> <p><b>International (Great Britain)</b> This field is also known as bulk discount.</p> <p>This field is not the total of the discount amounts from the PP2 records.</p> <p>For Line Item Detail, if this field is blank, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).</p>
66,77	12	N	VAT/Tax Amount	<p>The total amount of VAT or other tax included in this transaction.</p> <p>2 decimal implied/right justified/zero filled</p> <p><b>International (Great Britain)</b> See International (Great Britain) Calculations section at the end of the record for information on populating this field.</p>

*Continued on next page*

**RECORD LAYOUTS  
(Continued)**

**Product Record: Visa Procurement Level 3 – Order Level Record, (Continued)**

1	2	3	4	5	6	7	8	9
12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
AAAAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNAAAAAAAAAAAAAAAAAAAAAAAAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNAAAAAAAAAAAAAAAAAAAAAA								
PP000100000000159900000000159903079-1952USD03079-1952000000000100000000030000010 ↵								

Position	Length	Data Type	Field Name	Comments
78,81	4	N	VAT/Tax Rate	<p>The rate of VAT or other tax (expressed in percentage terms) for this transaction.</p> <p>2 decimal implied/right justified/zero filled or blanks</p> <p><b>Example:</b> 0100 = 01.00 = 1%</p>
82,85	4	N	Shipping VAT Rate	<p>The rate of VAT for shipping or freight (expressed in percentage terms) for this transaction.</p> <p>2 decimal implied/right justified/zero filled or blanks</p> <p><b>Example:</b> 0100 = 01.00 = 1%</p> <p><b>Notes:</b></p> <p><b>North America (U.S. and Canada)</b> This field is not used.</p> <p><b>International (Great Britain)</b> This field is used for International (Great Britain) transactions only.</p> <p>If this field is blank, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).</p>
86,96	11	A	Filler	Blanks

Continued on next page

## RECORD LAYOUTS (Continued)

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### Product Record: Visa Procurement Level 3 – Order Level Record, (Continued)

**Notes:**

Subject to Issuer discretion whether this information will be displayed on the cardholder's statement.

International transactions are defined as:

- Merchant domiciled in Great Britain

**AND**

- Card is issued in Great Britain

**North America (U.S. and Canada)**

If any of the following fields are all spaces, or all zeros, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange.

- Description (located on PP1 record)
- Product Code (located on PP1 record)
- Quantity (located on PP1 record)
- Unit of Measure (located on PP1 record)
- Line Item Total (located on PP2 record)
- Item Commodity Code (located on PP2 record)
- Unit Cost (located on PP2 record)

If any of the following fields are all spaces, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange.

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)
- Discount Amount Applied to Order (located on PP0 record)
- Discount Amount (located on PP2 record)

*Continued on next page*

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**Product Record: Visa Procurement Level 3 – Order Level Record, (Continued)**

**Notes, (Continued):**

***International (Great Britain)***

If any of the following fields are all spaces, for any of the Summary Tax records for a particular transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)
- Shipping VAT Rate (located on PP0 record)
- Tax Amount (located on PP1 record)
- Tax Rate (located on PP1 record)
- Item Commodity Code (located on PP2 record)

If any of the following fields are all spaces, for any of the Line Item Detail records for a particular transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)
- Discount Amount Applied to Order (located on PP0 record)
- Shipping VAT Rate (located on PP0 record)
- Description (located on PP1 record)
- Unit of Measure (located on PP1 record)
- Tax Amount (located on PP1 record)
- Tax Rate (located on PP1 record)
- Discount Amount (located on PP2 record)
- Unit Cost (located on PP2 record)

If the following field is all spaces or all zeros, for any of the Line Item Detail records for a particular transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Quantity (located on PP1 record)

For Summary Tax or Line Item Detail information, Product Record: Procurement Level 2 and Line Item Data – Record #1 (PPC001), and Product Record: Procurement Level 2 and Line Item Data – Record #2 International (Great Britain) (PPC002) are required or the transaction rejects with Response Reason Code 243 (Invalid Purchase Level 3).

*Continued on next page*

**Product Record: Visa Procurement Level 3 – Order Level Record, (Continued)**

**Notes, (Continued):**

**International (Great Britain) Calculations**

- For all Summary Tax and Line Item Detail transactions:  
Amount ("S" Record Input) **must** equal Freight Amount (PP0) + VAT Amount (PP0) – Discount Amount Applied to Order (PP0) + (sum of all Line Item Total (PP2) values) or the transaction will reject with Response Reason Code 225 (Invalid Field Data).
  - For freight-only transactions (defined as the Freight Amount (PP0) or Shipping VAT Rate (PP0) is not equal to zero and the sum of all Line Item Total (PP2) values is equal to zero):  
VAT Amount (PP0) **must** equal Freight Amount (PP0) multiplied by Shipping VAT Rate (PP0) +/- .01 or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
  - For all other transactions:  
VAT Amount (PP0) **must** equal the sum of all Tax Amount (PP1) values +/- .01 or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
  - For each line item:  
Tax Amount (PP1) **must** equal (Line Item Total (PP2) multiplied by Tax Rate (PP1)) +/- .01 or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
-











## RECORD LAYOUTS (Continued)

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**Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1,**  
(Continued)

**(must match to corresponding Visa Procurement Level 3 – Line Item Level Data –  
Record #2)**

**Notes:**

Subject to Issuer discretion whether this information will be displayed on the cardholder's statement.

International transactions are defined as:

- Merchant domiciled in Great Britain

**AND**

- Card is issued in Great Britain

**North America (U.S. and Canada)**

If any of the following fields are all spaces, or all zeros, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange:

- Description (located on PP1 record)
- Product Code (located on PP1 record)
- Quantity (located on PP1 record)
- Unit of Measure (located on PP1 record)
- Line Item Total (located on PP2 record)
- Item Commodity Code (located on PP2 record)
- Unit Cost (located on PP2 record)

If any of the following fields are all spaces, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange:

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)
- Discount Amount Applied to Order (located on PP0 record)
- Discount Amount (located on PP2 record)

For Fleet transactions that are non-fuel that occur at a fuel location, if the product code (located on PP1 record) is invalid, no Level 3 records will be sent to Visa.

*Continued on next page*

## RECORD LAYOUTS (Continued)

**Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1,**  
(Continued)

**(must match to corresponding Visa Procurement Level 3 – Line Item Level Data –  
Record #2)**

**Notes, (Continued):**

### ***International (Great Britain)***

If any of the following fields are all spaces, for any of the Summary Tax records for a particular transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)
- Shipping VAT Rate (located on PP0 record)
- Tax Amount (located on PP1 record)
- Tax Rate (located on PP1 record)
- Item Commodity Code (located on PP2 record)

If any of the following fields are all spaces, for any of the Line Item Detail records for a particular transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)
- Discount Amount Applied to Order (located on PP0 record)
- Shipping VAT Rate (located on PP0 record)
- Description (located on PP1 record)
- Unit of Measure (located on PP1 record)
- Tax Amount (located on PP1 record)
- Tax Rate (located on PP1 record)
- Discount Amount (located on PP2 record)
- Unit Cost (located on PP2 record)

If the following field is all spaces or all zeros, for any of the Line Item Detail records for a particular transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Quantity (located on PP1 record)

For Summary Tax or Line Item Detail information, Product Record: Procurement Level 2 and Line Item Data – Record #1 (PPC001), and Product Record: Procurement Level 2 and Line Item Data – Record #2 International (Great Britain) (PPC002) are required or the transaction rejects with Response Reason Code 243 (Invalid Purchase Level 3).

*Continued on next page*

**Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1,**  
(Continued)

**(must match to corresponding Visa Procurement Level 3 – Line Item Level Data –  
Record #2)**

**Notes, (Continued):**

**International (Great Britain) Calculations**

- For all Summary Tax and Line Item Detail transactions:  
Amount ("S" Record Input) **must** equal Freight Amount (PP0) + VAT Amount (PP0) – Discount Amount Applied to Order (PP0) + (sum of all Line Item Total (PP2) values) or the transaction will reject with Response Reason Code 225 (Invalid Field Data).
  - For freight-only transactions (defined as the Freight Amount (PP0) or Shipping VAT Rate (PP0) is not equal to zero and the sum of all Line Item Total (PP2) values is equal to zero):  
VAT Amount (PP0) **must** equal Freight Amount (PP0) multiplied by Shipping VAT Rate (PP0) +/- .01 or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
  - For all other transactions:  
VAT Amount (PP0) **must** equal the sum of all Tax Amount (PP1) values +/- .01 or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
  - For each line item:  
Tax Amount (PP1) **must** equal (Line Item Total (PP2) multiplied by Tax Rate (PP1)) +/- .01 or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
-

**RECORD LAYOUTS  
(Continued)**

**Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #2**

**(must match to corresponding Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1)**

```

1          2          3          4          5          6          7          8          9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456
AAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
PP20020000000100000000000009000FURNITURE  000001000000

```

Position	Length	Data Type	Field Name	Comments
1	1	A	Product Record Identifier	“P” Constant – Specifies this record as a product record of the Chase Paymentech standard format.
2,3	2	A	Product Record Type	“P2” Constant
4,6	3	N	Product Record Sequence Number	Used to uniquely identify a line item within a “P0” record. Sequence number is required to match that of the accompanying P1 record.  Valid values: 002 to 100  <b>Note:</b> See <i>Appendix V: Level 2 and Line Item Level Data</i> , for Record Sequence Number Example
7,18	12	N	Line Item Total	The amount of the item. Normally calculated as price times quantity.  2 decimal implied/right justified/zero filled  <b>Notes:</b>  <b>North America (U.S. and Canada)</b> Normally calculated as Quantity multiplied by Unit Cost.  Required for best possible interchange rate. See note at end of record.  <b>International (Great Britain)</b> For Line Item Detail, this field is calculated as Quantity multiplied by Unit Cost minus Discount Amount.  This field would be zero under certain circumstances, such as freight-only and bulk discount line items.

*Continued on next page*

# RECORD LAYOUTS (Continued)

**Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #2,  
(Continued)**

**(must match to corresponding Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1)**

1	2	3	4	5	6	7	8	9
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456 AA PP200200000010000000000009000FURNITURE 000001000000								

Position	Length	Data Type	Field Name	Comments
19,30	12	N	Discount Amount	Amount of discount applied to the line item. 2 decimal implied/right justified/zero filled or blanks  <b>Notes:</b>  <i><b>North America (U.S. and Canada)</b></i> Required for best possible interchange rate. See note at end of record.  <i><b>International (Great Britain)</b></i> For Line Item Detail, this field cannot be all blanks or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).  If this line item is for bulk discount, this field should be zero filled.
31,42	12	A	Item Commodity Code	The commodity code used to classify the item purchased.  Left justified/blank filled  <b>Notes:</b>  <i><b>North America (U.S. and Canada)</b></i> Required for best possible interchange rate. See note at end of record.

*Continued on next page*

## RECORD LAYOUTS (Continued)

**Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #2,**  
(Continued)

**(must match to corresponding Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1)**

1	2	3	4	5	6	7	8	9
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456	AAANNN	AA	AA	AA	AA	AA	AA	AA
PP20020000000100000000000009000	FURNITURE	000001000000						J

Position	Length	Data Type	Field Name	Comments
			Item Commodity Code, (Continued)	<p><b><i>International (Great Britain)</i></b> For Summary Tax, this field cannot be all blanks or all zeros or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).</p> <p>For Line Item Detail, this field must be a valid Visa commodity code or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3). The valid Visa code can include "0000".</p>
43,54	12	N	Unit Cost	<p>Unit cost of the unit purchased.</p> <p>4 decimal implied/right justified/zero filled</p> <p><b>Example:</b> 01000000 = \$100.00</p> <p><b>Notes:</b></p> <p><b><i>North America (U.S. and Canada)</i></b> Required for best possible interchange rate. See note at end of record.</p> <p><b><i>International (Great Britain)</i></b> For Line Item Data, this field cannot be all zeros or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).</p>
55,96	42	A	Filler	Blanks

*Continued on next page*



## RECORD LAYOUTS (Continued)

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**Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #2,**  
(Continued)

**(must match to corresponding Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1)**

**Notes:**

Subject to Issuer discretion whether this information will be displayed on the cardholder's statement.

International transactions are defined as:

- Merchant domiciled in Great Britain

**AND**

- Card is issued in Great Britain

**North America (U.S. and Canada)**

If any of the following fields are all spaces, or all zeros, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange.

- Description (located on PP1 record)
- Product Code (located on PP1 record)
- Quantity (located on PP1 record)
- Unit of Measure (located on PP1 record)
- Line Item Total (located on PP2 record)
- Item Commodity Code (located on PP2 record)
- Unit Cost (located on PP2 record)

If any of the following fields are all spaces, for any of the Level 3 records for a particular transaction, the transaction will not qualify for Level 3 interchange.

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)
- Discount Amount Applied to Order (located on PP0 record)
- Discount Amount (located on PP2 record)

For Fleet transactions that are non-fuel that occur at a fuel location, if the product code (located on PP1 record) is invalid, no Level 3 records will be sent to Visa.

*Continued on next page*

## RECORD LAYOUTS (Continued)

**Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #2,**  
(Continued)

**(must match to corresponding Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1)**

**Notes, (Continued):**

### ***International (Great Britain)***

If any of the following fields are all spaces, for any of the Summary Tax records for a particular transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)
- Shipping VAT Rate (located on PP0 record)
- Tax Amount (located on PP1 record)
- Tax Rate (located on PP1 record)
- Item Commodity Code (located on PP2 record)

If any of the following fields are all spaces, for any of the Line Item Detail records for a particular transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Freight Amount (located on PP0 record)
- Duty Amount (located on PP0 record)
- Discount Amount Applied to Order (located on PP0 record)
- Shipping VAT Rate (located on PP0 record)
- Description (located on PP1 record)
- Unit of Measure (located on PP1 record)
- Tax Amount (located on PP1 record)
- Tax Rate (located on PP1 record)
- Discount Amount (located on PP2 record)
- Unit Cost (located on PP2 record)

If the following field is all spaces or all zeros, for any of the Line Item Detail records for a particular transaction, the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3):

- Quantity (located on PP1 record)

For Summary Tax or Line Item Detail information, Product Record: Procurement Level 2 and Line Item Data – Record #1 (PPC001), and Product Record: Procurement Level 2 and Line Item Data – Record #2 International (Great Britain) (PPC002) are required or the transaction rejects with Response Reason Code 243 (Invalid Purchase Level 3).

*Continued on next page*

## RECORD LAYOUTS (Continued)

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**Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #2,**  
(Continued)

**(must match to corresponding Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1)**

**Notes, (Continued):**

### **International (Great Britain) Calculations**

- For all Summary Tax and Line Item Detail transactions:  
Amount ("S" Record Input) **must** equal Freight Amount (PP0) + VAT Amount (PP0) – Discount Amount Applied to Order (PP0) + (sum of all Line Item Total (PP2) values) or the transaction will reject with Response Reason Code 225 (Invalid Field Data).
  - For freight-only transactions (defined as the Freight Amount (PP0) or Shipping VAT Rate (PP0) is not equal to zero and the sum of all Line Item Total (PP2) values is equal to zero):  
VAT Amount (PP0) **must** equal Freight Amount (PP0) multiplied by Shipping VAT Rate (PP0) +/- .01 or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
  - For all other transactions:  
VAT Amount (PP0) **must** equal the sum of all Tax Amount (PP1) values +/- .01 or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
  - For each line item:  
Tax Amount (PP1) **must** equal (Line Item Total (PP2) multiplied by Tax Rate (PP1)) +/- .01 or the transaction will reject with Response Reason Code 243 (Invalid Purchase Level 3).
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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA

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### Introduction

Chase Paymentech supports the processing of procurement cards and Fleet Cards for U.S. and Canada by fully supporting the enhanced data required by MasterCard, MasterCard Diners, and Visa for both Level 2 and Level 3 data.

For American Express, Chase Paymentech supports Level 2 and enhanced TAA.

For Discover, Chase Paymentech supports Level 2 and Line Item Level Data.

For international (Great Britain) MasterCard and Visa, Chase Paymentech supports Summary Tax and Line Item Detail.

Level 3, Summary Tax, and Line Item Detail data is typically used in a business-to-business environment providing merchants with a mechanism to eliminate the costly paper process of providing and collecting funds for outstanding invoices. Merchants have the ability to collect their funds in conjunction with the settlement of their credit card transactions and still provide their customer with the necessary line item detail. Thus, providing a cleaner process for both the merchant and their customer.

It is not necessary to send Level 2 and line item data when Action Code = A (Authorization), as additional costs will be incurred for processing these records.

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

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### **Edit Checks**

Data fields that are edited by Chase Paymentech have been marked “required” in the record layout section of this document.

#### **North America (U.S. and Canada)**

Chase Paymentech performs edit checks on incoming data to ensure necessary information is present. In the event necessary information is missing from a transaction with Level 2 data, the interchange rate for the transaction will be downgraded accordingly and passed on to the respective card association.

If necessary information is missing from a transaction with Level 3 data, the transaction will be rejected by Chase Paymentech with Response Reason Code 243 (Invalid Purchase Level 3).

#### **International (Great Britain)**

If necessary information is missing from an international MasterCard transaction with Summary Tax or Line Item Detail data, the transaction will not qualify for the best possible interchange rate.

If necessary information is missing from an international Visa transaction with Summary Tax or Line Item Detail data, Chase Paymentech will reject the transaction with Response Reason Code 243 (Invalid Purchase Level 3).

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### **BIN Ranges**

The BIN ranges assigned by the North American (U.S. and Canada) card associations can identify purchasing cards. Commercial Card BIN Ranges (Business, Corporate, and Purchasing) are available via Chase Paymentech Online. Active BINS can be downloaded.

**Note:** BIN Ranges are subject to change at the discretion of the card associations.

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

### Supported Card Issuing Countries

The following chart identifies supported card issuing countries.

	American Express	Discover	MasterCard	MasterCard Diners	Visa
Level 2	North America (U.S.)	North America (U.S.)	North America (U.S. and Canada)	North America (U.S. and Canada)	North America (U.S. and Canada)
Level 3/ Summary Tax/Line Item Detail		North America (U.S.)	North America (U.S. and Canada) and International (Great Britain)	North America (U.S. and Canada)	North America (U.S. and Canada) and International (Great Britain)

### Fleet (North America – U.S. and Canada)

Chase Paymentech supports the processing of Fleet cards by fully supporting the enhanced data required by MasterCard and Visa for transactions conducted at petroleum and T&E locations. Fleet card data is typically used by Commercial Fleet customers to gain control of vehicle fuel and maintenance expenses as well as expenses incurred by the driver. This is accomplished through designated BIN ranges that prompt for additional information at the point of sale in conjunction with user-controlled acceptance parameters designated through the card issuer.

**Note:** Fleet transactions must use the Fleet, Fuel and Procurement Level 2 records to support Fleet processing. For Fleet transactions that are non-fuel, the Procurement Level 3 records must be used.

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

**American Express Level 2/3 (North America – U.S.)**

American Express currently supports Level 2 and enhanced TAA processing with Chase Paymentech.

**Note:** Prior to submitting American Express purchasing card transactions, please contact American Express and your Chase Paymentech Representative to have your account set up.

**Required Records for American Express Level 2/3**

Card Type	Required Record	Description	Comments
American Express	S	“S” Record	
American Express	EAX	TAA Record for American Express	TAA1 and TAA2
American Express	EAX	TAA Record for American Express	TAA3 and TAA4
American Express	PPC	Product Record for Level 2	Can be sent without EAX records
American Express	HA or AS	Ship to address	Should be sent with EAX or PPC records. If ship to address is not sent, Chase Paymentech will send the Merchant’s postal code to American Express.

**Discover Level 2 (North America – U.S.)**

Level 2 data can be sent on all Discover cards.

**Required Records for Level 2**

Card Type	Required Record	Description	Comments
Discover	S	“S” Record	
Discover	PPC	Product Record for Level 2	

*Continued on next page*

## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

**Discover Line Item Level Data (North America – U.S.)**

Line Item Level Data can be sent on all Discover cards.  
 Product Record: Procurement Level 2 and Line Item Level Data  
 Product Record: Discover Line Item Level Data – Record #1  
 Product Record: Discover Line Item Level Data – Record #2

**Required Records for Line Item Level Data**

Card Type	Required Record	Description	Comments
Discover	S	“S” Record	
Discover	PPC	Product Record for Level 2	
Discover	PP1	Product Record for Line Item Level Data	Line item level data – one for each line item. See spec for specific record for Discover
Discover	PP2	Product Record for Line Item Level Data	Line item level data – one for each line item. See spec for specific record for Discover

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

**MasterCard,  
MasterCard  
Diners, and  
Visa Level 2  
North  
America (U.S.  
and Canada)**

Level 2 is used for Corporate/Business Cards.

Corporate/Business cards are issued to a corporation for travel, entertainment and other expenses. MasterCard previously used the term “business card” and now uses “corporate card”. Visa uses both terms “business card” and “corporate card”.

### Required Records for Level 2

Card Type	Required Record	Description	Comments
MasterCard/ MasterCard Diners/Visa	S	“S” Record Input	
MasterCard/ MasterCard Diners/Visa	PPC001	Product Record for Level 2 – Record #1	
MasterCard/ MasterCard Diners/Visa	LA, HA, or AB	Bill to Address	Not required for Level 2 processing; however, required for best possible interchange rate (U.S. only).

**MasterCard,  
MasterCard  
Diners, and  
Visa Level 3 –  
North  
America (U.S.  
and Canada)**

Level 3 is used for purchasing cards (also known as Business to Business)  
Consider this as a replacement for a purchase order.

In order to provide the necessary enhanced data, Chase Paymentech  
requires additional records be submitted per transaction.

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

**MasterCard,  
MasterCard  
Diners, and  
Visa Level 3 –  
North  
America (U.S.  
and Canada),  
(Continued)**

These records are:

- Product Record: Level 2 – Record #1
- Product Record: Procurement Level 3 Order Level
- Product Record: Procurement Level 3 Record #1 Line Item Detail Record
- Product Record: Procurement Level 3 Record #2 Line Item Detail Record

**Note:** Bill to Address record not required for Level 2 or Level 3 processing; however, required for best possible interchange rate.

### Required Records for Line Item Level Data

Card Type	Required Record	Description	Comments
MasterCard/ MasterCard Diners/Visa	S	“S” Record Input	
MasterCard/ MasterCard Diners/Visa	PPC001	Product Record for Level 2 – Record #1	Optional for Visa. Mandatory for MasterCard.
MasterCard/ MasterCard Diners/Visa	PP0	Product Record for Procurement Level 3	Order level record. Each card type has a specific record.
MasterCard/ MasterCard Diners/Visa	PP1	Product Record for Procurement Level 3	Line item level data – one for each line item. Each card type has a specific record.
MasterCard/ MasterCard Diners/Visa	PP2	Product Record for Procurement Level 3	Line item level data – one for each line item. Each card type has a specific record.
MasterCard/ MasterCard Diners/Visa	LA, HA, or AB	Bill to Address	Not required for Level 3 processing; however, required for best possible interchange rate (U.S. only).

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

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**MasterCard  
and Visa  
Summary Tax  
and Line Item  
Detail –  
International  
(Great Britain)**

MasterCard and Visa Europe have two types of detail information similar to U.S. Level 3:

- Summary Tax
- Line Item Detail

Chase Paymentech supports Great Britain only.

Summary Tax has limited information on the goods/services purchased. This information is acceptable as evidence for VAT deductions, but it does not provide descriptive information for these purchased goods and services. For each different commodity code and VAT rate combination, all of the items may be collected into a single line item.

The merchant can only process Summary Tax and Line Item Detail in their domestic currency.

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

**MasterCard and Visa Summary Tax and Line Item Detail – International (Great Britain),**  
(Continued)

Summary Tax and Line Item Data information is used for Purchasing Cards (also known as Business to Business). Consider this as a replacement for a Purchase Order.

In order to provide the necessary enhanced data, Chase Paymentech requires additional records be submitted per transaction. These records are:

- Product Record: Level 2 – Record #1
- Product Record: Level 2 – Record #2
- Product Record: Procurement Level 3 Order Level
- Product Record: Procurement Level 3 Record #1 Line Item Detail Record
- Product Record: Procurement Level 3 Record #2 Line Item Detail Record

### Required Records for Summary Tax and Line Item Level Data

Card Type	Required Record	Description	Comments
MasterCard/ Visa	S	“S” Record Input	
MasterCard/ Visa	PPC001	Product Record for Procurement Level 2 – Record #1	Optional for MasterCard. Mandatory for Visa.
MasterCard/ Visa	PPC002	Product Record for Procurement Level 2 – Record #2	Mandatory for MasterCard and Visa.
MasterCard/ Visa	PP0	Product Record for Procurement Level 3	Order level record. Each card type has a specific record.
MasterCard/ Visa	PP1	Product Record for Procurement Level 3	Line item level data – one for each line item. Each card type has a specific record.
MasterCard/ Visa	PP2	Product Record for Procurement Level 3	Line item level data – one for each line item. Each card type has a specific record.

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

**Record Sequence**

Transactions must be submitted using this record sequence. A record may have up to 99 line item detail records.

**Note:** Line item detail records #1 and #2 must both be present in sequential order increasing by one (1) to meet processing requirements.

**Record Sequence Example**

Proper sequence for sending an order with 99 line items:

<b>North America (U.S. and Canada)</b>	
S	Detail record with the total amount of the 99 line items is generated
PPC001	Level 2 order level with the sales tax amount for the 99 line items
PP0001	Level 3 order level with the freight amount for the 99 line items (Not applicable for Discover)
PP1002	Level 3 record for line item #1 – First line item
PP2002	Level 3 record for line item #1
PP1003	Level 3 record for line item #2 – Second line item
PP2003	Level 3 record for line item #2
...	...
PP1100	Level 3 record for line item #99 – Ninety-ninth line item
PP2100	Level 3 record for line item #99
S	Detail record for the next order to be processed

**Note:** Bill to Address record not required for Level 2 or Level 3 processing; however, required for best possible interchange rate.

*Continued on next page*

## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

**Record  
Sequence  
Example,  
(Continued)**

<b>International (Great Britain)</b>	
S	Detail record with the total amount of the 99 line items is generated
PPC001	Level 2 order level with the sales tax amount for the 99 line items
PPC002	Level 2 order level with the VAT tax rate for the 99 line items.
PP0001	Level 3 order level with the freight amount for the 99 line items
PP1002	Level 3 record for line item #1 – First line item
PP2002	Level 3 record for line item #1
PP1003	Level 3 record for line item #2 – Second line item
PP2003	Level 3 record for line item #2
...	...
PP1100	Level 3 record for line item #99 – Ninety-ninth line item
PP2100	Level 3 record for line item #99
S	Detail record for the next order to be processed

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

### Sample Input File: MasterCard and Visa

Line 1: Header Record  
Line 2: Detail Record (MasterCard) U.S.  
Line 3: Product Record: Procurement Level 2 and Line Item Data – Record #1 (MasterCard – U.S.)  
Line 4: Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Order Level Record (MasterCard – U.S.)  
Line 5: Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Line Item Level Data – Record #1 (MasterCard – U.S.)  
Line 6: Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Line Item Level Data – Record #2 (MasterCard – U.S.)  
Line 7: Address Record: Bill to Address (MasterCard – U.S.)  
Line 8: Detail Record (Visa – U.S.)  
Line 9: Product Record: Procurement Level 2 and Line Item Data – Record #1 (Visa – U.S.)  
Line 10: Product Record: Visa Procurement Level 3 – Order Level Record (Visa – U.S.)  
Line 11: Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1 (Visa – U.S.)  
Line 12: Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #2 (Visa – U.S.)  
Line 13: Address Record: Bill to Address (Visa – U.S.)  
Line 14: Detail Record (MasterCard - Great Britain)  
Line 15: Product Record: Procurement Level 2 and Line Item Data – Record #1 (MasterCard – Great Britain)  
Line 16: Product Record: Procurement Level 2 and Line Item Data – Record #2 International (Great Britain) (MasterCard – Great Britain)  
Line 17: Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Order Level Record (MasterCard – Great Britain)  
Line 18: Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Line Item Level Data – Record #1 –  
(MasterCard – Great Britain)  
Line 19: Product Record: MasterCard and MasterCard Diners Procurement Level 3 – Line Item Level Data – Record #2 –  
(MasterCard – Great Britain)  
Line 20: Detail Record (Visa – Great Britain)  
Line 21: Product Record: Procurement Level 2 and Line Item Data – Record #1 (Visa – Great Britain)  
Line 22: Product Record: Procurement Level 2 and Line Item Data Record #2 International (Great Britain) (Visa – Great Britain)  
Line 23: Product Record: Visa Procurement Level 3 – Order Level Record (Visa – Great Britain)  
Line 24: Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #1 (Visa – Great Britain)  
Line 25: Product Record: Visa Procurement Level 3 – Line Item Level Data – Record #2 (Visa – Great Britain)  
Line 26: Batch Totals Record  
Line 27: Totals Record  
Line 28: Trailer Record

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## APPENDIX V: LEVEL 2 AND LINE ITEM LEVEL DATA (Continued)

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**Card Types / Supported Currencies**      American Express, Discover, MasterCard, MasterCard Diners, Visa /All currencies

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**Response Reason Codes**      *See Appendix A: Response Reason Code Description/Usage*

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**To Get Started**      Contact your Chase Paymentech Representative.

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## **END OF THE TECHNICAL SPECIFICATIONS**

### **96–Byte Batch Processing Versions 01.3 – 01.7 Revision 4.0 Addendum In Support of International Processing Enhancements Rev. 1**

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