

++810 Invoice Transaction Set
(Version 005010) Segment Specifications

HEADER CONTROL SEGMENTS

ISA - TRANSMISSION CONTROL HEADER:

MANDATORY

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
ISA01	Authorization Information Qualifier	'00'	M 2/2
ISA02	Authorization Information	Blank	M 10/10
ISA03	Security Information Qualifier	'00'	M 2/2
ISA04	Security Information	Blank	M 10/10
ISA05	Interchange ID Qualifier	Vendor's Interchange ID Qualifier	M 2/2
ISA06	Interchange Sender ID	Vendor's Interchange ID	M 15/15
ISA07	Interchange ID Qualifier	'08'	M 2/3
ISA08	Interchange Receiver ID	Test - '925839TEST' Production - '9258390000'	M 15/15
ISA09	Interchange Date	Date Interchange was generated	M 6/6
ISA10	Interchange Time	Time Interchange was generated	M 4/4
ISA11	Repetition Separator	'^' (Caret)	M 1/1
ISA12	Interchange Control Version Number	'00501'	M 5/5
ISA13	Interchange Control Number	Envelope Reference Number	M 9/9
ISA14	Acknowledge Requested	'0'(Not Requested)	M 1/1
ISA15	Test Indicator	'P' (Production) or 'T' (Test)	M 1/1
ISA16	Sub-element Separator	'>' ('Greater Than' Sign)	M 1/1

GS - FUNCTIONAL GROUP HEADER:

MANDATORY

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
GS01	Functional ID Code	'IN'	M 2/2
GS02	Application Sender's Code	Vendor's Sender Code	M 2/15
GS03	Application Receiver's Code	Test - '925839TEST' Production - '2015739700'	M 2/15
GS04	Date	Date Group was generated	M 8/8
GS05	Time	Time Group was generated	M 4/8
GS06	Group Control Number	Group Reference Number	M 1/9
GS07	Responsible Agency Code	'X' (ASC X12)	M 1/2
GS08	Version/Release/Industry ID Code	'005010'	M 1/12

HEADER CONTROL SEGMENTS (Cont.)

ST - TRANSACTION SET HEADER:

MANDATORY

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
ST01	Transaction Set ID Code	'810' (Invoice)	M 3/3
ST02	Transaction Set Control Number	Transaction Reference Number	M 4/9

TRANSACTION HEADER SEGMENTS

BIG – BEGINNING SEGMENT FOR INVOICE:

MANDATORY

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
BIG01	Invoice Date	Invoice Date (CCYYMMDD)	M 8/8
BIG02	Invoice Number	Invoice Number	M 1/22
BIG04	Purchase Order Number	A&P Purchase Order Number **Required if A&P has issued a PO for product or service being invoiced.	O 1/22
BIG06	Change Order Sequence Number	A&P P.O. Revision Number	O 1/8

NTE – NOTE/SPECIAL INSTRUCTION:

OPTIONAL

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
NTE02	Description	Description (May be used for any miscellaneous comments you want to send to A&P.)	M 1/80

CUR – CURRENCY:

OPTIONAL

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
CUR01	Entity ID Code	'BY'(Buying Party - Purchaser)	M 2/3
CUR02	Currency Code	'USD'(US Dollars)	M 3/3

**** CUR segment is optional, but if sent, A&P will accept only values shown ('BY' & 'USD').**

REF – REFERENCE INFORMATION:

OPTIONAL

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
REF01	Reference ID Qualifier	'CT' (Contract Invoice), 'OX' (Statement Invoice), '2F' (Utility Invoice)	M 2/3
REF02	Reference ID	If REF01 = 'CT', REF02 = contract number provided to you by A&P. Otherwise, REF02 is not required.	O 1/50
REF03	Description	If REF01=OX then REF03= 'statement' If REF01=2F then REF03= 'utility'	C 1/80

**** REF01 is required by A&P for statement invoices, utility invoices, and contract invoices.**

****REF03 is required by A&P for statement invoices and utility invoices.**

See Attachment 1 for definitions of invoice types.

TRANSACTION HEADER SEGMENTS (Cont.)

N1 - NAME:

OPTIONAL

LOOP N1

Element Number	Description	Value	Requirement/Min/Max Length
N101	Entity ID Code	<p>'BT' (Bill To), 'RI' (Remit To), 'ST' (Ship To), 'VN' (Vendor)</p> <p>**BT, RI, and VN are required for A&P. ST is required at header level for standard invoices and contract invoices, but at detail level for statement invoices and utility invoices. **</p>	<p>M 2/3</p>
N102	Name	<p>Name For example: A&P, Waldbaums', Farmer Jack, etc.</p> <p>** N102 is required by A&P.</p>	<p>C 1/60</p>
N103	ID Code Qualifier	<p>If N101 = 'BT', N103 = '9'</p> <p>If N101 = 'RI' or 'VN' . . . N103 = '9' if you send your DUNS+4 in N104 - OR - N103 = '91' if you send your A&P-assigned Oracle Vendor Site ID (vendor number) in N104.</p> <p>If N101 = 'ST' . . . N103 = '92' if you send an A&P-assigned Oracle site ID (store number) in N104 -OR - N103 = '32' if you send an A&P-assigned Legacy Location ID (division/store number) in N104.</p> <p>Contact the A&P E-Commerce Dept with questions.</p> <p>** N103 is required by A&P.</p>	<p>C 1/2</p>

TRANSACTION HEADER SEGMENTS (Cont.)

N1 - NAME:

OPTIONAL

LOOP N1

<i>N104</i>	<i>ID Code</i>		<i>C</i> <i>2/80</i>
		<p><i>If N101 = 'BT' and N103 = '9', N104 = '0013673660000'</i></p> <p><i>If N101 = 'RI' or 'VN' and N103 = '9', N104 = your DUNS+4.</i></p> <p><i>If N101 = 'RI' or 'VN' and N103 = '91', N104 = your A&P-assigned Oracle Vendor Site ID (vendor number).</i></p> <p><i>If N101 = 'ST' and N103 = '92', N104 = an A&P-assigned Oracle Site ID (store location).</i></p> <p><i>If N101 = 'ST' and N103 = '32', N104 = a five-digit A&P-assigned Division Store Number. For example, Division 70 Store 385, N104 would be 70385.</i></p> <p><i>Contact the A&P E-Commerce Dept with questions.</i></p> <p><i>**N104 is required by A&P.</i></p>	

****N1 segment is required by A&P for Bill To, Remit To, Ship To, and Vendor info.**

TRANSACTION HEADER SEGMENTS (Cont.)

N2 – ADD’L NAME INFO: OPTIONAL LOOP N1

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
N201	Name	Name	M 1/60

N3 - ADDRESS INFORMATION: OPTIONAL LOOP N1

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
N301	Address Information	Address Information	M 1/55
N302	Address Information	Address Information	O 1/55

****N3 segment is required by A&P for Remit To and Ship To info.**

N4 - GEOGRAPHIC LOCATION: OPTIONAL LOOP N1

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
N401	City Name	City Name	O 2/30
N402	State or Province Code	State or Province Code	O 2/2
N403	Postal Code	Postal Code	O 3/15
N404	Country Code	Country Code	O 2/3

****N4 segment is required by A&P for Remit To and Ship To info.**

ITD - TERMS OF SALE: OPTIONAL

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
ITD12	Description	Description of terms. For example: '2%-10, Net-30' - OR - 'Net 15 Days'	O 1/80

DTM - DATE/TIME REFERENCE: OPTIONAL

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
DTM01	Date/Time Qualifier	'150' (Service Period Start), '151' (Service Period End) (To be used if you are invoicing A&P for a service provided or performed over a period of time. Send one DTM segment for the start date and another DTM segment for the end date)	M 3/3
DTM02	Date	Date	C 8/8

TRANSACTION DETAIL SEGMENTS

IT1 - BASELINE ITEM DATA: *OPTIONAL* *LOOP IT1*

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
<i>IT101</i>	<i>Assigned ID</i>	<i>Sequential Line Number</i>	<i>O</i> <i>1/20</i>
<i>IT102</i>	<i>Quantity Invoiced</i>	<i>Quantity Invoiced</i>	<i>C</i> <i>1/10</i>
<i>IT103</i>	<i>Unit or Basis for Measurement Code</i>	<i>Unit or Basis for Measurement Code</i>	<i>C</i> <i>2/2</i>
<i>IT104</i>	<i>Unit Price</i>	<i>Unit Price</i>	<i>C</i> <i>1/17</i>
<i>IT106</i>	<i>Product/Service ID Qualifier</i>	<i>Code identifying type/source of the descriptive number used in IT107</i>	<i>C</i> <i>2/2</i>
<i>IT107</i>	<i>Product/Service ID</i>	<i>Identifying number for a product or service</i>	<i>C</i> <i>1/48</i>
<i>IT108</i>	<i>Product/Service ID Qualifier</i>	<i>'DS' (Group ID)</i> <i>(Used for utility invoices only.)</i>	<i>C</i> <i>2/2</i>
<i>IT109</i>	<i>Product/Service ID</i>	<i>Identifies logical grouping of line items. (Used for utility invoices only).</i>	<i>C</i> <i>1/48</i>
<i>IT110</i>	<i>Product/Service ID Qualifier</i>	<i>'PO' (Purchase Order Number)</i>	<i>C</i> <i>2/2</i>
<i>IT111</i>	<i>Product/Service ID</i>	<i>Reference A&P Purchase Order Number</i>	<i>C</i> <i>1/48</i>
<i>IT112</i>	<i>Product/Service ID Qualifier</i>	<i>'PL' (Purchaser's Order Line Number)</i>	<i>C</i> <i>2/2</i>
<i>IT113</i>	<i>Product/Service ID</i>	<i>Reference Line Number on A&P Purchase Order</i>	<i>C</i> <i>1/48</i>

**** IT101, IT102, IT103, and IT104 elements are required by A&P.**

**** IT108 and IT109 elements are required by A&P for utility invoices only. See Attachment 1 for definitions of invoice types.**

TXI - TAX INFORMATION: *OPTIONAL* *LOOP IT1*

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
<i>TXI01</i>	<i>Tax Type Code</i>	<i>Tax Type Code</i> <i>(A&P will accept any code valid within X12 standard.)</i>	<i>M</i> <i>2/2</i>
<i>TXI02</i>	<i>Monetary Amount</i>	<i>Monetary Amount</i>	<i>C</i> <i>1/18</i> <i>R – Explicit Decimal</i>

PID - PRODUCT/ITEM DESC: *OPTIONAL* *LOOP IT1/PID*

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
<i>PID01</i>	<i>Item/Description Type</i>	<i>'F' (Free Form)</i>	<i>M</i> <i>1/1</i>
<i>PID05</i>	<i>Description</i>	<i>Description</i>	<i>C</i> <i>1/80</i>

**** PID segment is required by A&P.**

TRANSACTION DETAIL SEGMENTS (Cont.)

DTM – DATE/TIME REFERENCE: *OPTIONAL*

LOOP IT1

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
<i>DTM01</i>	<i>Date/Time Qualifier</i>	'035' (Delivered), '150' (Service Period Start), '151' (Service Period End) If product was delivered, or service was performed, on a single date, DTM01 = '035'. If you are invoicing A&P for a service performed over a period of time, send one DTM segment for the start date using '150' in the DTM01 and another DTM segment for the end date using '151 in the DTM01.	M 3/3
<i>DTM02</i>	<i>Date</i>	<i>Date</i>	C 8/8

**** Detail level DTM segment is required by A&P for statement invoices and utility invoices. See Attachment 1 for definitions of invoice types.**

SAC – PROMO/ALLOW/CHRG: *OPTIONAL*

LOOP IT1/SAC

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
<i>SAC01</i>	<i>Allowance/Charge Indicator</i>	'A' (Allowance) or 'C' (Charge)	M 1/1
<i>SAC02</i>	<i>Allowance/Charge Code</i>	'A520' (Base Charge), 'A880' (Cancellation Charge), 'B660' (Contract Allowance), 'C000' (Defective Allowance), 'D240' (Freight Charge), 'D270' (Fuel Surcharge), 'D540' (Hazmat Charge), 'F800' (Promotional Allowance), 'G470' (Stocking Charge)	C 4/4
<i>SAC05</i>	<i>Amount</i>	<i>Amount of Allowance or Charge</i>	O 1/15
<i>SAC15</i>	<i>Free Form Description</i>	<i>Allowance/Charge Description</i>	C 1/80

****A&P will accept any value in the SAC02 element valid in the X12 standard. The values listed are examples only.**

TRANSACTION DETAIL SEGMENTS (Cont.)

N1 - NAME:

OPTIONAL

LOOP N1

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
<i>N101</i>	<i>Entity ID Code</i>	<p><i>'ST' (Ship To)</i></p> <p><i>** ST is required at header level for standard invoices and contract invoices, but at detail level for statement invoices and utility invoices. **</i></p>	<p><i>M</i></p> <p><i>2/3</i></p>
<i>N102</i>	<i>Name</i>	<p><i>Name</i></p> <p><i>For example: 'Woodcliff Lake A&P'</i></p>	<p><i>C</i></p> <p><i>1/60</i></p>
<i>N103</i>	<i>ID Code Qualifier</i>	<p><i>N103 = '92' if you send an A&P-assigned Oracle site ID (store number) in N104</i></p> <p><i>- OR -</i></p> <p><i>N103 = '32' if you send an A&P-assigned Legacy Location ID (division/store number) in N104.</i></p> <p><i>Contact the A&P E-Commerce Dept with questions.</i></p>	<p><i>C</i></p> <p><i>1/ 2</i></p>
<i>N104</i>	<i>ID Code</i>	<p><i>If N103 = '92',</i></p> <p><i>N104 = an A&P-assigned Oracle Site ID (store location).</i></p> <p><i>If N101 = 'ST' and</i></p> <p><i>N103 = '32',</i></p> <p><i>N104 = a five-digit A&P-assigned Division Store Number. For example, Division 70 Store 385, N104 would be 70385.</i></p> <p><i>Contact the A&P E-Commerce Dept with questions.</i></p>	<p><i>C</i></p> <p><i>2/80</i></p>

**** Detail level N101, N102, N103, and N104 elements are required by A&P for statement invoices and utility invoices. See Appendix 1 for definitions of invoice types.**

TRANSACTION DETAIL SEGMENTS (Cont.)

N2 – ADD’L NAME INFO:

OPTIONAL

LOOP N1

Element Number	Description	Value	Requirement/Min/Max Length
<i>N201</i>	<i>Name</i>	<i>Name</i>	<i>M 1/60</i>

N3 - ADDRESS INFORMATION: OPTIONAL

LOOP N1

Element Number	Description	Value	Requirement/Min/Max Length
<i>N301</i>	<i>Address Information</i>	<i>Address Information</i>	<i>M 1/55</i>
<i>N302</i>	<i>Address Information</i>	<i>Address Information</i>	<i>O 1/55</i>

N4 - GEOGRAPHIC LOCATION: OPTIONAL

LOOP N1

Element Number	Description	Value	Requirement/Min/Max Length
<i>N401</i>	<i>City Name</i>	<i>City Name</i>	<i>O 2/30</i>
<i>N402</i>	<i>State or Province Code</i>	<i>State or Province Code</i>	<i>O 2/2</i>
<i>N403</i>	<i>Postal Code</i>	<i>Postal Code</i>	<i>O 3/15</i>
<i>N404</i>	<i>Country Code</i>	<i>Country Code</i>	<i>O 2/3</i>

TRANSACTION SUMMARY SEGMENTS

TDS - TOTAL MONETARY VALUE:

MANDATORY

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
TDS01	Amount	Total amount of Invoice (including charges, less allowances, before terms).	M 1/15 N2 – Implied Decimal

TXI - TAX INFORMATION: **OPTIONAL**

LOOP IT1

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
TXI01	Tax Type Code	Tax Type Code (A&P will accept any code valid within X12 standard.)	M 2/2
TXI02	Monetary Amount	Monetary Amount	C 1/18 R – Expressed Decimal

SAC - ALLOWANCE, CHARGE: **OPTIONAL**

LOOP SAC

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
SAC01	Allowance/Charge Indicator	'A' (Allowance) or 'C' (Charge)	M 1/1
SAC02	Allowance/Charge Code	'A520' (Base Charge), 'A880' (Cancellation Charge), 'B660' (Contract Allowance), 'C000' (Defective Allowance), 'D240' (Freight Charge), 'D270' (Fuel Surcharge), 'D540' (Hazmat Charge), 'F800' (Promotional Allowance), 'G470' (Stocking Charge)	C 4/4
SAC05	Amount	Amount of Allowance or Charge	O 1/15
SAC15	Free Form Description	Allowance/Charge Description	C 1/80

****A&P will accept any value in the SAC02 element valid in the X12 standard. The values listed are examples only.**

CTT - TRANSACTION TOTALS:

OPTIONAL

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
CTT01	Number of Line Items	Number of Line Items	M 1/6

TRAILER CONTROL SEGMENTS

SE - TRANSACTION SET TRAILER:

MANDATORY

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
<i>SE01</i>	<i>Number of segments</i>	<i>Number of segments included in the transaction.</i>	<i>M 1/10</i>
<i>SE02</i>	<i>Transaction Set Control Number</i>	<i>Marks the end of the transaction.</i>	<i>M 4/9</i>

GE - FUNCTIONAL GROUP TRAILER:

MANDATORY

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
<i>GE01</i>	<i>Number of transaction sets</i>	<i>Number of transactions included in the group.</i>	<i>M 1/6</i>
<i>GE02</i>	<i>Group Control Number</i>	<i>Marks the end of the group.</i>	<i>M 1/9</i>

IEA - INTERCHANGE CONTROL TRAILER:

MANDATORY

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/Min/Max Length</i>
<i>IEA01</i>	<i>Number of functional groups</i>	<i>Number of groups included in the interchange.</i>	<i>M 1/5</i>
<i>IEA02</i>	<i>Interchange Control Number</i>	<i>Marks the end of the interchange.</i>	<i>M 9/9</i>

Attachment 1

Invoice Types

(Note: A&P will advise you as to which type of invoice applies to you.)

1. **STANDARD INVOICE** – Contains one or more lines for products delivered, or services performed, during the billing period.
2. **STATEMENT INVOICE** – A summary billing for multiple stores with each store listed as a separate line item.
3. **UTILITY INVOICE** – A type of statement invoice used by waste management and utility type vendors.
4. **CONTRACT INVOICE** – A type of standard invoice for which a contract exists between A&P and the supplier. The contract must contain a contract number, which A&P will provide to you.