



# **The Great Atlantic & Pacific Tea Co., Inc.**

## **Imaging and Workflow Automation (IWA) Vendor Guide to Electronic Invoicing**

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## *IWA Vendor Guide to Electronic Invoicing*

### **1. Introduction**

The A&P family of companies is extending our existing electronic commerce program to our suppliers and service providers as part of our ongoing performance improvement effort. We believe the receipt and processing of paper invoices is a costly, inefficient activity that should be replaced by an automated electronic solution. Replacing paper invoices with an electronic version will improve efficiency and reliability by ensuring swift and accurate communications between your company and ours.

It is our intent that the transition to an electronic environment will cause no interruption to our business processes, including the receipt, review, approval, and payment of vendor invoices. We will plan and execute our electronic invoice rollout program according to a carefully controlled schedule.

As we move to a “paperless” invoice environment, we expect you to fully partner with us to achieve the maximum benefit possible. If you have any questions, please feel free to contact us. Thank you for your cooperation.

#### **1.1. Process**

- Review A&P’s IWA Vendor Guide to Electronic Invoicing and choose a format from the options available to you – EDI, XML, or character delimited.
- Visit the A&P Internet web site to review the technical specifications for the format you have selected. A link to the A&P Internet web site is included in this document.
- Establish A&P as a trading partner in your internal system and network as required. Consult a software and/or service provider as you deem necessary. A sample listing is included in this document.
- Complete the attached A&P Trading Partner Information Form and send it via e-mail or mail to the A&P Electronic Commerce department. Receipt of your Trading Partner Information Form confirms to A&P your readiness to begin transmitting your invoices electronically in compliance with A&P’s specifications.
- The A&P Electronic Commerce department will establish you as a trading partner and contact you to schedule a test transmission at a mutually agreeable date and time.
- Once the testing is successfully completed to the satisfaction of both companies, we will agree on a date and time to move to “production” status. As of that “production” date and time, A&P will process your electronic invoices for payment and the invoices you send under the current method will no longer be required nor processed.
- If you have any questions during this process, please contact the A&P Electronic Commerce department for assistance.



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### **1.2. *Electronic Invoice Format Overview***

Invoices can be delivered electronically to A&P in one of the following formats. A&P does not customize or modify existing format definitions.

#### **EDI - ANSI X12 810**

EDI (Electronic Data Interchange) is a standard format for exchanging business data. The standard is ANSI X12 and it is administered by the Data Interchange Standards Association. The 810 is the invoice transaction set that represents an electronic version of a paper invoice or bill. EDI processing software is necessary to process EDI documents into a back office system or into human readable form.

#### **XML Format**

XML stands for Extensible Markup Language and was developed by the W3C (World Wide Web Consortium). XML is a subset of the Standard Generalized Markup Language (SGML), the standard for defining an electronic document structure. XML is extensible because it is not bound by a fixed set of semantics and provides a facility to define markup (or tags) and the structured relationship between them. This extensibility allows for domain specific formats (or schemas) to be defined that formally describe an XML document type, such as an invoice. A&P has defined an XML schema that electronic invoices in this format must adhere to.

#### **Character Delimited Format - Comma-Separated Value (CSV)**

This format defines tabular data as a series of text lines organized so that each column (or field) value is separated by a pre-defined character (e.g., comma or tab) and each row (or record) starts a new line. A&P has defined a character delimited definition that uses a comma to separate field values, facilitating the import and export of data in and out of spreadsheet software. All electronic invoices in this format must conform to the CSV definition.

## **2. Data Transport**

### **2.1. *Methods***

The file format of the document will determine the method of transfer. A&P currently supports the following data transport options for external partners.

#### **Value Added Network (VAN)**

EDI documents are electronically sent to and received by A&P using a Value Added Network or VAN. A VAN is a private network provider allowing for "store and forward" capabilities associated with electronic data interchange. A trading partner can send information to a VAN, which ascertains the intended recipient. The data is then stored in a mailbox until the data is retrieved (forwarded).



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### **External Data Transfer System (EDTS)**

EDTS is an electronic commerce mailbox, created and managed by A&P, for external partners. The mailbox allows partners to systematically send or receive documents using the File Transfer Protocol (FTP). FTP is a universally available file transfer mechanism that is widely supported as a standard way to transfer files across the Internet.

### **AS2 (Applicability Statement 2)**

The AS2 standard is not currently supported at A&P, but is under consideration for future implementation.

## **2.2. Security**

In order to maximize security, each supplier must ensure that no confidential information such as credit card numbers, bank account numbers, etc., is included in the data transmitted electronically to A&P. A&P cannot accept the responsibility for the security of any such confidential information transmitted by the supplier.

## **3. EDI 810 Format**

The current specifications for the supported versions of the ANSI X12 810 Invoice Transaction Set may be downloaded from: <http://www.aptea.com/edinfous.asp> (The Great Atlantic and Pacific Tea Company - EC/EDI Information U.S.).

## **4. XML Format**

The current schema defining the XML format of electronic invoices may be downloaded from: <http://www.aptea.com/edinfous.asp> (The Great Atlantic and Pacific Tea Company - EC/EDI Information U.S.).

### **4.1. File Naming Convention**

Filenames of electronic invoice documents in XML format will have the following naming convention:

- For Test: SupplierId\_InvoiceNumber\_yyyymmddhhmmss.xml.IWA01T
- For Production: SupplierId\_InvoiceNumber\_yyyymmddhhmmss.xml.IWA01P
- Where:
  - SupplierId = Identifier representing the primary level of the business entity supplying the product or service (e.g., Duns+4 Number, A&P assigned identifier).
  - InvoiceNumber = Identification number of the invoice, generated by the seller.
  - yyymmdd = Date file was created (e.g., 20070319)
  - hhmmss = Time file was created (e.g., 143000)
  - xml = Designates an xml formatted file
  - IWA01T / IWA01P = File routing tag (upper case) for test or production, respectively

## 5. Comma-Separated Value (CSV) Format

This section describes the Comma-Separated Value (CSV) format of electronic invoices. An Excel template defining the CSV format of electronic invoices may be downloaded from: <http://www.aptea.com/edinfous.asp> (The Great Atlantic and Pacific Tea Company - EC/EDI Information U.S.).

### 5.1. File Naming Convention

Filenames of electronic invoice documents in CSV format will have the following naming convention:

- For Test: SupplierId\_InvoiceNumber\_yyyymmddhhmmss.csv.IWA01T
- For Production: SupplierId\_InvoiceNumber\_yyyymmddhhmmss.csv.IWA01P
- Where:
  - SupplierId = Identifier representing the primary level of the business entity supplying the product or service. ([See SupplierID1 in Section 5.2 Field Descriptions](#))
  - InvoiceNumber = Identification number of the invoice, generated by the seller. ([See InvoiceNum in Section 5.2 Field Descriptions](#))
  - yyyymmdd = Date file was created (e.g., 20070319)
  - hhmmss = Time file was created (e.g., 143000)
  - csv = Designates a comma separated value file
  - IWA01T / IWA01P = File routing tag (upper case) for test or production, respectively

### 5.2. Field Descriptions

Fields are separated by commas and records are separated by newlines (platform-dependent character or sequence of characters signifying the end of a line of text). This layout consists of multiple record types (designated by the value in the Record Type field). Each record type consists of the same number of fields (or columns) and will contain nulls if no value is expected or provided. The field definitions and acceptable values are described below.

**\*\*Note: No field values can contain commas as this is the designated field separator.**

Record Type	Field Name	Mandatory (M) / Optional (O)	Description
NA	Record Type (position 1)	M	<a href="#">This field will be the first field in every record and will designate the type of record (e.g., label record, envelope record, header record, detail record, summary record). See Section 5.3 for acceptable values.</a>
Envelope (1 and only 1)	DocumentVersion	M	<a href="#">Version of this csv layout. See Section 5.3 for acceptable values.</a>
	InvoiceType	M	<a href="#">Type of invoice. See Section 5.3 for acceptable values.</a>
	CreateDt	M	Date this document was created (yyyy-mm-dd).
	CreateTm	M	Time this document was created (hh:mm:ss).



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	DocumentID	O	Unique identifier associated with this csv document.
Header (1 and only 1)	InvoiceNum	M	Identification number of the invoice, generated by the seller.
	InvoiceDt	M	Date the invoice was issued by the supplier (yyyy-mm-dd).
	PONum	O	Identification number of the purchase order, generated by the buyer.
	PORevNum	O	Revision identifier of the purchase order, generated by the buyer.
	ContractNum	O	Identification number for contracted, recurring-payment invoices (mandatory for InvoiceType="Contract").
	DeliveryDt	O	Date the invoiced product was delivered (yyyy-mm-dd).
	ServicesStartDt	O	Date the invoiced service started (yyyy-mm-dd).
	ServicesEndDt	O	Date the invoiced service ended (yyyy-mm-dd).
	TermsOfPay	O	Description of payment terms.
	BillToType1	M	<a href="#">Type of identifier in BillToID1. See Section 5.3 for acceptable values.</a>
	BillToID1	M	<a href="#">Identifier representing the business entity invoiced (i.e., A&amp;P). See Section 5.3 for value.</a>
	BillToName1	M	Primary level name of business entity invoiced (e.g., A&P, Waldbaums', etc.).
	BillToType2	O	<a href="#">Type of identifier in BillToID2. See Section 5.3 for acceptable values.</a>
	BillToID2	O	Identifier representing the secondary level of the business entity invoiced, provided by A&P.
	BillToName2	O	Secondary level name of business entity invoiced.
	BillToAddr1	O	Address line 1 of business entity invoiced.
	BillToAddr2	O	Address line 2 of business entity invoiced.
	BillToAddr3	O	Address line 3 of business entity invoiced.
	BillToCity	O	Address city of business entity invoiced.
	BillToSt	O	Address state or province of business entity invoiced.
	BillToZip	O	Address postal code of business entity invoiced.
	BillToCountry	O	Address country of business entity invoiced.
	BillToContact	O	Name of contact individual associated with business entity invoiced.
	ShipToType1	M/O	<a href="#">Type of identifier in ShipToID1. See Section 5.3 for acceptable values. Required at Header for InvoiceType of Invoice, Contract.</a>
	ShipToID1	M/O	Identifier representing the business entity or location that received the product or service. <b>Required at Header for InvoiceType of Invoice, Contract.</b>
	ShipToName1	M/O	Primary level name of the business entity or location that received the product or service <b>Required at Header for InvoiceType of Invoice, Contract.</b>
	ShipToType2	O	<a href="#">Type of identifier in ShipToID2. See Section 5.3 for acceptable values.</a>
	ShipToID2	O	Identifier representing the secondary level of the business entity or location that received the product or service.
	ShipToName2	O	Secondary level name of the business entity or location that received the product or service.
	ShipToAddr1	O	Address line 1 of business entity or location that received the product or service.
	ShipToAddr2	O	Address line 2 of business entity or location that received the product or service.
	ShipToAddr3	O	Address line 3 of business entity or location that received the product or service.



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	ShipToCity	O	Address city of business entity or location that received the product or service.
	ShipToSt	O	Address state or province of business entity or location that received the product or service.
	ShipToZip	O	Address postal code of business entity or location that received the product or service.
	ShipToCountry	O	Address country of business entity or location that received the product or service.
	ShipToContact	O	Name of contact individual associated with business entity or location that received the product or service.
	SupplierType1	M	<a href="#">Type of identifier in SupplierID1. See Section 5.3 for acceptable values.</a>
	SupplierID1	M	Identifier representing the primary level of the business entity supplying the product or service.
	SupplierName1	M	Primary level name of the business entity supplying the product or service.
	SupplierType2	O	<a href="#">Type of identifier in SupplierID2. See Section 5.3 for acceptable values.</a>
	SupplierID2	O	Identifier representing the secondary level of the business entity supplying the product or service.
	SupplierName2	O	Secondary level name of the business entity supplying the product or service.
	SupplierAddr1	O	Address line 1 of business entity supplying the product or service.
	SupplierAddr2	O	Address line 2 of business entity supplying the product or service.
	SupplierAddr3	O	Address line 3 of business entity supplying the product or service.
	SupplierCity	O	Address city of business entity supplying the product or service.
	SupplierSt	O	Address state or province of business entity supplying the product or service.
	SupplierZip	O	Address postal code of business entity supplying the product or service.
	SupplierCountry	O	Address country of business entity supplying the product or service.
	SupplierContact	O	Name of contact individual associated with business entity supplying the product or service.
	RemitToType1	M	<a href="#">Type of identifier in RemitToID1. See Section 5.3 for acceptable values.</a>
	RemitToID1	M	Identifier representing the primary level of the business entity to whom payment will be made.
	RemitToName1	M	Primary level name of the business entity to whom payment will be made.
	RemitToType2	O	<a href="#">Type of identifier in RemitToID2. See Section 5.3 for acceptable values.</a>
	RemitToID2	O	Identifier representing the secondary level of the business entity to whom payment will be made.
	RemitToName2	O	Secondary level name of the business entity to whom payment will be made.
	RemitToAddr1	O	Address line 1 of business entity to whom payment will be made.
	RemitToAddr2	O	Address line 2 of business entity to whom payment will be made.
	RemitToAddr3	O	Address line 3 of business entity to whom payment will be made.
	RemitToCity	O	Address city of business entity to whom payment will be made.
	RemitToSt	O	Address state or province of business entity to whom payment will be made.



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	RemitToZip	O	Address postal code of business entity to whom payment will be made.
	RemitToCountry	O	Address country of business entity to whom payment will be made.
	RemitToContact	O	Name of contact individual associated with business entity to whom payment will be made.
Detail (at least 1)	InvoiceNum	M	Identification number of the invoice, generated by the seller.
	InvoiceLineGroup	M	Identifier to enable a logical grouping of line items. (Used for Utility invoices only).
	InvoiceLineNum	M	Sequential number that uniquely identifies the invoice line item (integer).
	PONum	O	Identification number of the purchase order, generated by the buyer.
	POLineNum	O	Sequential number that uniquely identifies the purchase order line item (integer).
	ItemOrServiceID	O	Identification number of the product or service (for example, part number).
	ItemOrServiceDesc	M	Description of the product or service.
	QtyInvoiced	M	Number of product(s) or service(s) invoiced (decimal).
	QtyInvoicedUOM	M	Measurement units of QtyInvoiced.
	UnitPrice	M	Price of one QtyInvoicedUOM (decimal).
	TaxLineAmt	O	Amount of sales tax associated with this invoice line (decimal).
	ChargeType1	O	<a href="#">Type of charge associated with this invoice line. See Section 5.3 for acceptable values.</a>
	ChargeAmt1	O	Positive amount of ChargeType1 (decimal).
	ChargeType2	O	<a href="#">Type of charge associated with this invoice line. See Section 5.3 for acceptable values.</a>
	ChargeAmt2	O	Positive amount of ChargeType2 (decimal).
	ChargeType3	O	<a href="#">Type of charge associated with this invoice line. See Section 5.3 for acceptable values.</a>
	ChargeAmt3	O	Positive amount of ChargeType3 (decimal).
	AllowType1	O	<a href="#">Type of allowance associated with this invoice. See Section 5.3 for acceptable values.</a>
	AllowAmt1	O	Positive amount of AllowType1 (decimal).
	AllowType2	O	<a href="#">Type of allowance associated with this invoice. See Section 5.3 for acceptable values.</a>
	AllowAmt2	O	Positive amount of AllowType2 (decimal).
	AllowType3	O	<a href="#">Type of allowance associated with this invoice. See Section 5.3 for acceptable values.</a>
	AllowAmt3	O	Positive amount of AllowType3 (decimal).
	DeliveryDt	O	Date the invoiced product was delivered (yyyy-mm-dd).
	ServiceStartDt	O	Date the invoiced service started (yyyy-mm-dd).
	ServiceEndDt	O	Date the invoiced service ended (yyyy-mm-dd).
	ShipToType1	M/O	<a href="#">Type of identifier in ShipToID1. See Section 5.3 for acceptable values. Required at Detail for InvoiceType of Statement, Utility.</a>
	ShipToID1	M/O	Identifier representing the business entity or location that received the product or service. <b>Required at Detail for InvoiceType of Statement, Utility.</b>
	ShipToName1	M/O	Primary level name of the business entity or location that received the product or service. <b>Required at Detail for InvoiceType of Statement, Utility.</b>
	ShipToType2	O	<a href="#">Type of identifier in ShipToID2. See Section 5.3 for acceptable values.</a>



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	ShipToID2	O	Identifier representing the secondary level of the business entity or location that received the product or service.
	ShipToName2	O	Secondary level name of the business entity or location that received the product or service.
	ShipToAddr1	O	Address line 1 of business entity or location that received the product or service.
	ShipToAddr2	O	Address line 2 of business entity or location that received the product or service.
	ShipToAddr3	O	Address line 3 of business entity or location that received the product or service.
	ShipToCity	O	Address city of business entity or location that received the product or service.
	ShipToSt	O	Address state or province of business entity or location that received the product or service.
	ShipToZip	O	Address postal code of business entity or location that received the product or service.
	ShipToCountry	O	Address country of business entity or location that received the product or service.
	ShipToContact	O	Name of contact individual associated with business entity or location that received the product or service.
	ShipmentRef	O	Reference to the shipment information from the purchase order, generated by the buyer.
	DistribRef	O	Reference to the distribution information from the purchase order, generated by the buyer.
	Comments	O	Additional text associated with this invoice line.
Summary (1 and only 1)	InvoiceNum	M	Identification number of the invoice, generated by the seller.
	TotalInvoiceAmt	M	Total amount of invoice (including tax, charges, less allowances, before cash discounts) (decimal).
	TotalTaxAmt	O	Total amount of sales tax associated with this invoice (decimal).
	ChargeType1	O	<a href="#">Type of charge associated with this invoice line. See Section 5.3 for acceptable values.</a>
	ChargeAmt1	O	Positive amount of ChargeType1 (decimal).
	ChargeType2	O	<a href="#">Type of charge associated with this invoice line. See Section 5.3 for acceptable values.</a>
	ChargeAmt2	O	Positive amount of ChargeType2 (decimal).
	ChargeType3	O	<a href="#">Type of charge associated with this invoice line. See Section 5.3 for acceptable values.</a>
	ChargeAmt3	O	Positive amount of ChargeType3 (decimal).
	AllowType1	O	<a href="#">Type of allowance associated with this invoice. See Section 5.3 for acceptable values.</a>
	AllowAmt1	O	Positive amount of AllowType1 (decimal).
	AllowType2	O	<a href="#">Type of allowance associated with this invoice. See Section 5.3 for acceptable values.</a>
	AllowAmt2	O	Positive amount of AllowType2 (decimal).
	AllowType3	O	<a href="#">Type of allowance associated with this invoice. See Section 5.3 for acceptable values.</a>
	AllowAmt3	O	Positive amount of AllowType3 (decimal).
	Comments	O	Additional text associated with this invoice.



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### 5.3. Acceptable Values

Field Name	Acceptable Values	Description
Record Type (Position 1)	L E H D S	"Label" - Data in this row will consist of column labels in a human readable form. There must be one Label type record for each record type below. "Envelope" - Data in this row will consist of descriptive information about the entire document. There must be one and only one Envelope type record. "Header" - Data in this row pertains to the entire invoice. There must be one and only one Header type record. "Detail" - Data in this row describes the individual line items of the invoice. There must be at least one, but can be many Detail type record(s). "Summary" - Data in this row summarizes the invoice. There must be one and only one Summary type record.
DocumentVersion	1	CSV layout version.
InvoiceType	Invoice Statement Contract Utility	This is the "standard" invoice. It contains one or more lines for products delivered, or services performed, during the billing period. This invoice type is a summary billing for multiple stores with each store listed as a separate line item. 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. A type of statement invoice used by waste management and utility type vendors.
BillToType1	Duns4Number	Duns + 4 number.
BillToID1	0013673660000	A&P's Duns +4 number.
BillToType2	ApteaDepartmentNumber	A&P provided identifier representing a department of A&P, if needed.
SupplierType1	Duns4Number ApteaVendorNumber	Duns + 4 number representing the business entity supplying the product or service. A&P proprietary identifier representing the business entity supplying the product or service, which A&P will provide.
SupplierType2	Duns4Number	Duns + 4 number representing the secondary level business entity supplying the product or service.
RemitToType1	Duns4Number ApteaVendorNumber	Duns + 4 number representing the business entity to whom payment will be made. A&P proprietary identifier representing the business entity to whom payment will be made, which A&P will provide.
RemitToType2	Duns4Number	Duns + 4 number representing the secondary level business entity to whom payment will be made.
ShipToType1	ApteaAPLocationNumber ApteaLegacyLocationNumber	A&P provided identifier representing the business entity or location that received the product or service. A&P provided identifier representing the business entity or location that received the product or service.
ShipToType2	ApteaDepartmentNumber	A&P provided identifier representing a department of A&P.
ChargeType	Base Charge Cancellation Charge Freight Charge Fuel Surcharge Hazmat Charge Other Charge	Charge associated with this line item or invoice. Charge associated with this line item or invoice. Charge associated with this line item or invoice. Charge associated with this line item or invoice. Charge associated with this line item or invoice. Any other charge associated with this line item or invoice not listed.



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	Stocking Charge	Charge associated with this line item or invoice.
AllowType	Contract Allowance	Allowance associated with this line item or invoice.
	Defective Allowance	Allowance associated with this line item or invoice.
	Other Allowance	Any other allowance associated with this line item or invoice not listed.
	Promotional Allowance	Allowance associated with this line item or invoice.

## 6. Ramp up and Testing Procedures

### 6.1. **EDI**

1. Initial contact to determine compatibility re standard, version, and transactions.
2. Exchange communications information re contacts, IDs, VANs, etc.
3. Agree on test/parallel and production schedule.
4. Establish trading partner profiles and VAN connections.
5. Exchange test transactions and functional acknowledgements.
6. Move to production and eliminate paper documents.

### 6.2. **XML and CSV**

1. Initial contact to determine compatibility re format, security, and transactions.
2. Exchange communications information re contacts, IDs, etc.
3. Agree on test/parallel and production schedule.
4. Establish trading partner profiles and communication information.
5. Exchange test transactions.
6. Move to production and eliminate paper documents.

## 7. A&P Reference Information

### 7.1. **Contacts**

- **Maria Plunkett**  
Electronic Commerce Specialist  
2 Paragon Drive, Montvale, NJ 07645  
Telephone: (201) 571-8189  
Fax: (201) 571-8870  
E-Mail: [plunketm@apte.com](mailto:plunketm@apte.com)
- **Arnold Fox**  
Electronic Commerce Manager  
2 Paragon Drive, Montvale, NJ 07645  
Telephone: (201) 571-4367  
Fax: (201) 571-8870  
E-Mail: [foxa@apte.com](mailto:foxa@apte.com)

## **7.2. EDI Communications Information**

Standard:	ANSI X12
Version:	004010 / 005010
ISA Qualifier (Test):	08
ISA Qualifier (Production):	08
ISA ID (Test):	925839TEST
ISA ID (Production):	9258390000
GS ID (Test):	925839TEST
GS ID (Production):	2015739700
DUNS Number:	001367366
VAN:	GXS

## **8. Additional Reference Information**

### **8.1. Standards Organizations**

- **American National Standards Institute (ANSI):** <http://www.ansi.org/>  
The American National Standards Institute (ANSI) coordinates the development and use of voluntary consensus standards in the United States and represents the needs and views of U.S. stakeholders in standardization forums around the globe. Its mission is to enhance both the global competitiveness of U.S. business and the U.S. quality of life by promoting and facilitating voluntary consensus standards and conformity assessment systems, and safeguarding their integrity.
- **Accredited Standards Committee (ASC X12):** <http://www.x12.org/>  
ASC X12 is the U.S. standards body for the cross-industry development, maintenance, and publication of electronic data exchange standards, based on, but not limited to X12 EDI, XML, and UN/EDIFACT formats. The ANSI Accredited Standards Committee (ASC) X12 brings together business and technical e-business professionals in an open, cross-industry setting to develop and maintain electronic data exchange standards, based on X12 EDI, XML, and UN/EDIFACT formats and collaborate with industry organizations to build best of breed standards for the global market.
- **Data Interchange Standards Association (DISA):** <http://www.disa.org/>  
DISA serves as the Secretariat for ASC X12 and their X12 EDI and XML standards development process. Through its Affiliate Services division, it provides technical and administrative support to e-business, standards and XML specification development organizations. It is the only official source for X12 EDI and XML standards. It also publishes technical reports and implementation guides.



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- **World Wide Web Consortium (W3C):** <http://www.w3.org/>  
The World Wide Web Consortium (W3C) develops interoperable technologies (specifications, guidelines, software, and tools) to lead the Web to its full potential. W3C is a forum for information, commerce, communication, and collective understanding.
- **GS1US:** <http://www.gs1us.org/>  
GS1 US, a not-for-profit standards organization, administers the Universal Product Code (U.P.C.) and develops worldwide standards for identification codes, data carriers, and electronic commerce. More than 250,000 member companies doing business in 25 major industries use open, global standards to optimize their supply chain and business processes.

*Note: Listed below are sections identifying a small sampling of electronic commerce outsourcing/service bureaus, software providers, value added networks, and other resources. These groupings are for ease of viewing on this document only. Many of these companies, as well as others, provide all of these products and/or services. Each A&P vendor/trading partner is responsible for researching and obtaining its own electronic invoicing technology at its own cost. The companies listed here are for information only. A&P neither mandates nor specifically recommends any of these entities.*

## **8.2. Outsourcing/Service Bureaus**

- ACT Data Services: <http://www.actdata.com/>
- Advanced Data Exchange (ADX): <http://www.adx.com/>
- EDI Specialists: <http://www.edispecialists.com/>
- Extol: <http://www.extol.com/>
- REMEDI Electronic Commerce Group: <http://www.remedi.com/>

## **8.3. Software Providers**

- 1EDISource: <http://www.ledisource.com/>
- Acom Solutions: <http://www.acom.com/ecommerce/>
- eZCom Software: <http://www.ezcomsoftware.com/>
- ProEDI: <http://www.proedi.com/>
- TrueCommerce: <http://www.truecommerce.com/>

## **8.4. Value Added Networks (VANs)**

A value added network (VAN) is a private network provider that is hired by a company to facilitate electronic data interchange (EDI) or provide other network services. There are many value added network companies in the marketplace. Here are a few of them along with their web sites.

- AT&T: <http://www.att.com/>
- GXS: <http://www.GXS.com/>
- Inovis: <http://www.inovis.com/>
- Kleinschmidt: <http://www.kleinschmidt.com/>
- nuBridges: <http://www.nubridges.com/>
- Sterling Commerce: <http://www.sterlingcommerce.com/>



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### **8.5. Other/Miscellaneous Resources and Information**

- **EC-EDI Vantage Point:** <http://www.ec-edi.biz/>  
An independent source for E-commerce and EDI resources, news and vendor information whose goal is to bring sellers of technology together with buyers, providing information to help buyers educate themselves and make informed decisions and to offer advertising, promotional and marketing support to sellers to help them get their message out to buyers.
- **EDI Center:** <http://www.edi-center.com/edi-resources/edi-directory.htm>  
The EDI Directory lists some of the top companies, consultants, and informational sites in the industry.

## **9. EDI Partner Information Form for the 810 Transaction Set**

The form is located on the following page.



**The Great Atlantic & Pacific Tea Co., Inc.  
Trading Partner Information Form  
Expense Supplier Invoice (EDI 810 Transaction)**

<b>Company Name:</b>	<b>Street Address:</b>	<b>City:</b>
<b>State:</b> <b>ZIP:</b>	<b>Communication ID:</b>	<b>Vendor (VN) DUNS+4:</b>  <b>Remit To (RI) DUNS+4:</b>
<b>Technical Coordinator:</b>	<b>Phone Number:</b>	<b>Fax Number:</b>

**Email Address:**

**Electronic Invoice Format Chosen:** EDI \_\_\_\_\_ XML \_\_\_\_\_ **Character Delimited** \_\_\_\_\_  
(Select One)

**Inbound EDI Transaction Trading Partner Information**

**Security Information Qualifier (ISA03):**

**Security Information (ISA04):**

**Interchange ID Qualifier (ISA05):**

**Interchange Sender ID (ISA06):**

**Application Senders Code (GS02):**

**Version/Release ID Code (GS08): 004010 / 005010**

**Segment Delimiter:** Please use (~) HEX (7E)

**Element Separator:**

**EDI Value Added Network Provider:**

*(Note: The EDI VAN used by A&P is Global eXchange Services (GXS). If your EDI VAN is not GXS, you will need to arrange to route the electronic transmissions from your VAN to GXS).*

**PLEASE RETURN COMPLETED FORM TO:**

**The Great Atlantic & Pacific Tea Co.  
2 Paragon Drive  
Montvale, N.J. 07645  
Attn: Maria Plunkett**

**E-mail: Plunketm@aptea.com  
Fax:(201)-571-8870  
Phone:(201)-571-8189**

**A&P's receipt of your Trading Partner Information Form confirms to A&P your readiness to begin transmitting your invoices electronically in compliance with A&P's specifications.**