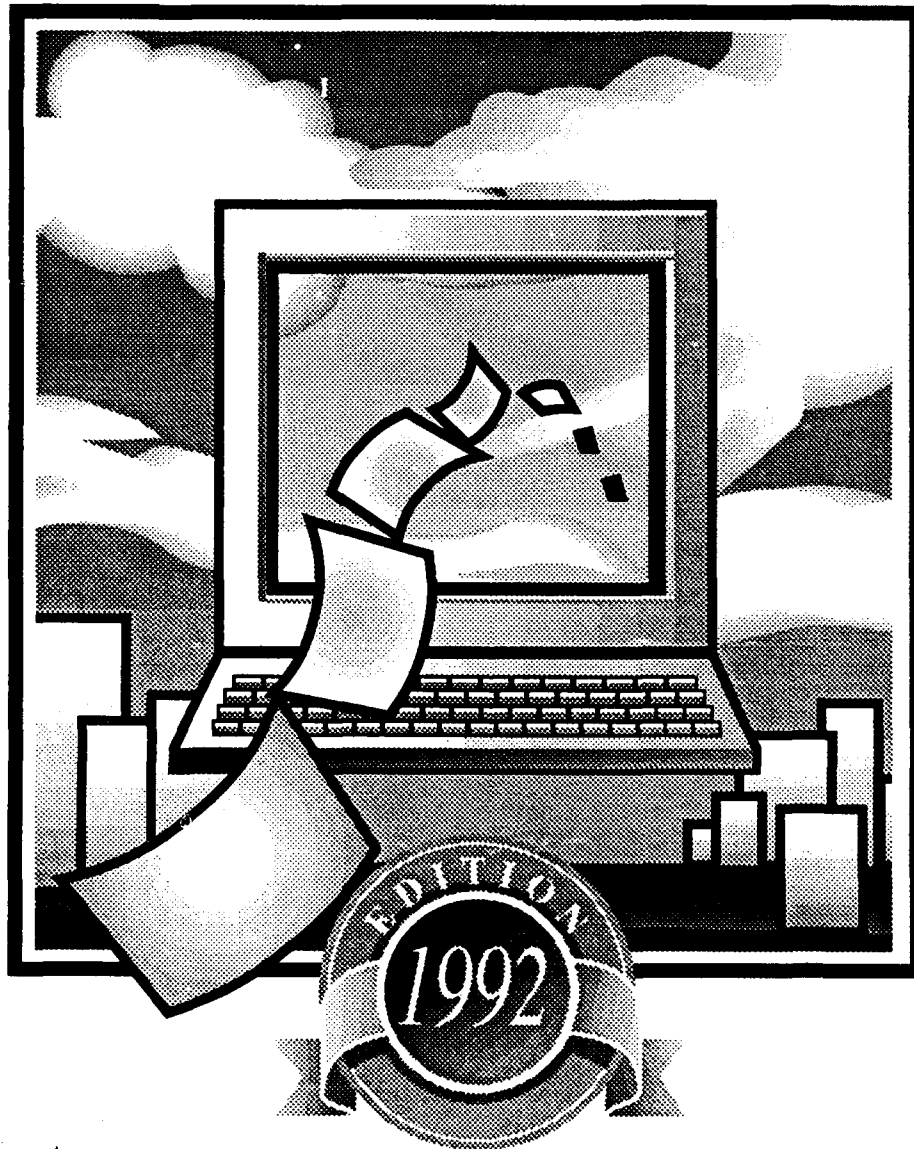


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# A Guide to EDI Translation Software



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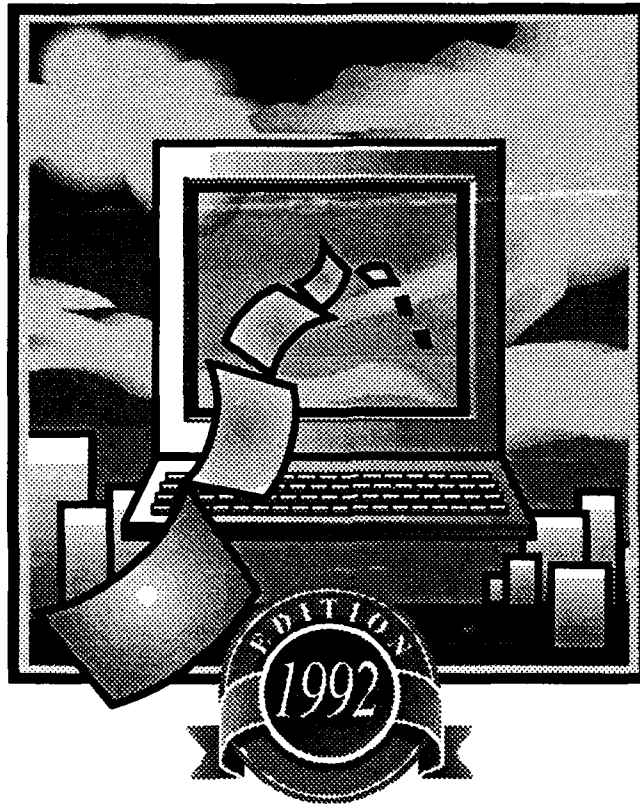
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# A Guide to EDI Translation Software



PL205RD1

Harold L. Frohman

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# **A GUIDE TO EDI TRANSLATION SOFTWARE**

**1992 Edition**

This edition of *A Guide to EDI Translation Software, 1992 Edition* updates and expands the information presented in our previous version published in 1991. As in our earlier edition, the guide identifies and provides details on commercially available electronic data interchange (EDI) translation software packages. It was created to aid the Military Departments and Defense agencies as they procure software in support of the Department of Defense's (DoD's) EDI program for transportation. However, all DoD entities with an EDI program should find the guide useful.

In the guide, we identify a variety of EDI software packages, assess the key features of each package, detail a list of functions and features that could be contained within a particular software package, and highlight those features that we believe are required to meet the EDI needs of Defense transportation in specific operating environments. We also show how to use the guide to select EDI translation software.

We obtained information on the various translation software packages from product brochures and telephone interviews. We have not seen demonstrations of every software package, so we cannot endorse their effectiveness. Furthermore, we did not survey vendors that remarket EDI translation software products or that sell industry-specific (nontransportation) products. As in the preparation of the 1991 edition, some vendors did not respond to our requests for additional information.

The guide includes a glossary and six appendices. The glossary defines the acronyms used throughout the guide and the terminology used to describe the various EDI software functions and features.

Appendix A lists the EDI software vendors we contacted during the preparation of the guide. The vendors are grouped by the type of hardware required to use the software: microcomputer, minicomputer, or mainframe. In addition, Table A-1 identifies the vendors that were excluded from the guide and the associated reasons.

Both the vendor list and the table provide the vendor's address, telephone number, and point of contact.

Appendix B lists the EDI software vendors that offer Unix-based products. The list provides the vendor's address, telephone number, and point of contact.

Appendix C provides detailed information on each of the EDI translation software vendors identified in Appendix A. It focuses on the products offered by the vendors including the hardware operating environment, software pricing, availability on Federal procurement contracts, and third-party networks directly accessed by the software package.

Appendix D identifies 48 functions and features that could be contained within a particular EDI translation software package. It also indicates those functions that we regard as required to meet the EDI needs of Defense transportation in specific operating environments.

Appendix E presents the results of the telephone surveys. The information is categorized by the type of hardware required to use the software: microcomputer, minicomputer, or mainframe. It also provides details on some of the software functions highlighted in Appendix D.

Appendix F lists the steps to be followed when using the guide to select EDI translation software packages.

If you need further information on any of the EDI translation software vendors or the capabilities of their software, you may contact either the person listed below or the vendors directly:

Harold L. Frohman  
Logistics Management Institute  
6400 Goldsboro Road  
Bethesda, MD 20817-5886  
(301) 320-7286  
A/V 287-2779/2127

## **GLOSSARY**

### **DEFINITION OF ACRONYMS**

<b>AIAG</b>	<b>=</b>	<b>Automotive Industry Action Group</b>
<b>AIX</b>	<b>=</b>	<b>Advanced Interactive Executive</b>
<b>ANSI</b>	<b>=</b>	<b>American National Standards Institute</b>
<b>APL</b>	<b>=</b>	<b>A Programming Language</b>
<b>ASCII</b>	<b>=</b>	<b>American Standard Code for Information Interchange</b>
<b>AT</b>	<b>=</b>	<b>Advanced Technology</b>
<b>AT&amp;T</b>	<b>=</b>	<b>American Telephone and Telegraph</b>
<b>BASIC</b>	<b>=</b>	<b>Beginners All Purpose Symbolic Instruction Code</b>
<b>BT</b>	<b>=</b>	<b>British Telecom</b>
<b>BTOS</b>	<b>=</b>	<b>Burroughs Operating System</b>
<b>CASE</b>	<b>=</b>	<b>computer aided software engineering</b>
<b>CEFIC</b>	<b>=</b>	<b>European Chemical Industry Federations</b>
<b>CICS</b>	<b>=</b>	<b>Customer Information Control System</b>
<b>CL</b>	<b>=</b>	<b>Control Language</b>
<b>CNCP</b>	<b>=</b>	<b>Canadian National/Canadian Pacific</b>
<b>COBOL</b>	<b>=</b>	<b>Common Business Oriented Language</b>
<b>CPU</b>	<b>=</b>	<b>central processing unit</b>
<b>CTOS</b>	<b>=</b>	<b>Convergent Technologies Operating System</b>
<b>CTX</b>	<b>=</b>	<b>Chrysler Telecommunication Exchange</b>
<b>DACOM</b>	<b>=</b>	<b>Data Communications Corporation of Korea</b>
<b>DB2</b>	<b>=</b>	<b>Database 2</b>
<b>DEC</b>	<b>=</b>	<b>Digital Equipment Corporation</b>
<b>DIBOL</b>	<b>=</b>	<b>Digital COBOL</b>
<b>DOS</b>	<b>=</b>	<b>disk operating system</b>
<b>DOS/VSE</b>	<b>=</b>	<b>disk operating system/virtual system extended</b>
<b>DR-DOS</b>	<b>=</b>	<b>Digital Research disk operating system</b>

<b>DTS</b>	<b>=</b>	<b>Document Transmission System</b>
<b>EBCDIC</b>	<b>=</b>	<b>Extended Binary Coded Decimal Interchange Code</b>
<b>EDI</b>	<b>=</b>	<b>electronic data interchange</b>
<b>EDIFACT</b>	<b>=</b>	<b>Electronic Data Interchange for Administration, Commerce, and Transport</b>
<b>EFT</b>	<b>=</b>	<b>electronic funds transfer</b>
<b>FORTRAN</b>	<b>=</b>	<b>Formula translator</b>
<b>FTS</b>	<b>=</b>	<b>Financial Transmission System</b>
<b>GE</b>	<b>=</b>	<b>General Electric</b>
<b>GEIS</b>	<b>=</b>	<b>General Electric Information Services</b>
<b>GM</b>	<b>=</b>	<b>General Motors</b>
<b>GSA</b>	<b>=</b>	<b>General Services Administration</b>
<b>HP</b>	<b>=</b>	<b>Hewlett-Packard</b>
<b>IBM</b>	<b>=</b>	<b>International Business Machines</b>
<b>ID</b>	<b>=</b>	<b>identification</b>
<b>IMS/DC</b>	<b>=</b>	<b>Information Management System/Data Communications</b>
<b>INGRES</b>	<b>=</b>	<b>Interactive Graphics and Retrieval System</b>
<b>LAN</b>	<b>=</b>	<b>local area network</b>
<b>MB</b>	<b>=</b>	<b>megabyte</b>
<b>MPE</b>	<b>=</b>	<b>multiprogramming executive</b>
<b>MSA</b>	<b>=</b>	<b>Management Science America</b>
<b>MS-DOS</b>	<b>=</b>	<b>Microsoft disk operating system</b>
<b>MVS</b>	<b>=</b>	<b>multiple virtual storage</b>
<b>NCR</b>	<b>=</b>	<b>National Cash Register</b>
<b>NWDA</b>	<b>=</b>	<b>National Wholesale Druggists Association</b>
<b>ODETTE</b>	<b>=</b>	<b>Organization for Data Exchange Teletransmission in Europe</b>
<b>PC</b>	<b>=</b>	<b>personal computer</b>
<b>PS/2</b>	<b>=</b>	<b>Personal System/2</b>
<b>QMF</b>	<b>=</b>	<b>Query Management Facility</b>
<b>RAM</b>	<b>=</b>	<b>random access memory</b>
<b>RDMS</b>	<b>=</b>	<b>relational database management system</b>

RJE	=	remote job entry
RM COBOL	=	Rand McFarland Common Business Oriented Language
RMS	=	Release Management Systems
RPG	=	report program generator
SCO	=	Santa Cruz Operation
SPARC	=	scalable performance architecture
SQL	=	Structured Query Language
TAL	=	Tandem assembly language
TCIF	=	Telecommunications Industry Forum
TDCC	=	Transportation Data Coordinating Committee
TDF	=	transaction data file
TDSI	=	Telecommunications Data Systems International
TRADACOMS	=	Trading Data Communications Standards
TSO	=	timesharing operation
UCS	=	Uniform Communication Standard
VAN	=	value-added network
VAX	=	virtual address extension
VICS	=	Volunteer Interindustry Communication Standard
VLT	=	variable length translator
VMS	=	virtual memory system
VOS	=	virtual operating system
VS	=	virtual storage
WINS	=	Warehouse Industry Network Standard

## **DEFINITION OF TERMS**

**Application System Interface.** A routine that extracts data from an application system database and creates fixed-length files in the vendor's format for subsequent translation to an EDI format. The reverse process is also applicable.

**Automated Purging.** A feature that automatically deletes archived transaction set data according to user-specified criteria, such as date ranges.



**Automatic Recovery/Restart Capability.** A routine that automatically recovers any data being processed and restarts the application in the event of a power failure or a communications failure.

**Character Conversion Capability.** Translation software that converts a sender's character set to the character set required by the receiver's computer (e.g., EBCDIC to ASCII).

**Code Conversion Capability.** The ability to convert an EDI standard data element code into a user-unique code.

**Compatibility with Encryption and Authentication Package.** A translation software package that can operate with an encryption and authentication package.

**Communications Software.** A software module that automatically dials the communications network and sends or receives EDI-formatted data.

**Data Element Delimiter Table.** A table of alternative data element delimiters that is maintained for each trading partner, thus accommodating the requirements of different trading partners.

**Data Input Screens.** A set of screens used to enter data into the translation software package for subsequent translation into an EDI format. (This feature is required when an application system does not reside on the user's computer.)

**Error Reports.** Reports of outbound or inbound transaction sets that do not comply with the EDI standards. (These reports are usually printed logs of each communications session presented in a non-EDI format easily understood by the user.)

**Expandability.** The ability to incorporate new functions, such as EDI transaction sets, into an existing translation software package.

**Functional Acknowledgment Capability.** The ability to send or receive a Functional Acknowledgment Transaction Set that indicates the status of each EDI transaction set transmission to or from a trading partner.

**Functional Acknowledgment Reconciliation.** The matching of transaction set messages with functional acknowledgments to identify the successful receipt of

information by trading partners and the highlighting of unacknowledged transaction sets that have been sent.

**Help Screens.** On-line screens that provide assistance in the use of specific translation software functions.

**Inbound Standards Compliance Editing.** The editing of data received from trading partners to determine whether they are in compliance with the EDI standards.

**Inbound Transaction Set Reporting.** The capability to print inbound transaction sets for audit trail purposes. (The date and time of every message received should be included in the report.)

**Input Editing.** A feature that permits the user to edit each field and segment of a transaction set as data are manually entered into a system in order to ensure compliance with EDI standards.

**Installation Routines.** Programs that automatically install translation software packages onto a computer with minimal user intervention.

**Internal ID Number Duplication Control.** A program that monitors the use of internal business document identification numbers, such as invoice numbers, to avoid duplicates.

**Maintenance Support.** EDI standard updates and software enhancements provided by the translation software vendor, usually for an annual fee.

**Multiple Communications Interface.** Translation software that allows communication with more than one telecommunications network, preferably in the same communication session.

**Multiple Header Support.** EDI translation software that supports multiple envelope headers including ISA and BG, depending on trading partner requirements.

**Multiple Users.** A feature that permits more than one person to use a translation software system concurrently. (On those personal computers that use DOS, a local area network typically provides this feature.)

**Network Identification Table.** A table containing network addresses, telephone numbers, and other related information needed to communicate with a trading partner through a telecommunications network.

**Outbound Standards Compliance Editing.** The editing of data sent to trading partners to determine whether they are in compliance with EDI standards.

**Outbound Transaction Set Reporting.** The capability to print outbound transaction sets for audit trail purposes. (The date and time of every message sent should be included in the report.)

**Segment Terminator Table.** A table of alternative segment terminators that is maintained for each trading partner, thus allowing for different communications network or trading partner requirements.

**Selective Accessibility.** A feature that limits user access to specific screens and functions.

**System Entry Security.** Features that provide system security through the use of passwords and/or user-identification codes.

**Table-Driven Software Structure.** EDI data elements and segments maintained in a table structure.

**Technical Documentation.** A narrative and graphic description of a system that provides technical personnel with sufficient details to "troubleshoot" portions of the translation software. (A data dictionary, a system flowchart, and all file structures are typically included in technical documentation.)

**Trading Partner Profile.** A profile of each trading partner that identifies the segments in a transaction set required by that trading partner.

**Training.** Vendor-offered training sessions that teach how to use their translation software package.

**Transaction Set Archiving.** EDI-formatted data that are saved on the computer for query purposes or for restoration in the event of a computer failure.

**Transaction Set Consolidation Routines.** Software that groups transaction sets by trading partner prior to transmission, thus reducing communications costs; if

more than one telecommunications network is used, the transaction sets are first grouped by network and then by trading partner.

**Transaction Set Correction Capability.** The ability to either correct an outbound standards compliance editing error in a front-end operating environment or modify transaction set data prior to transmission. (This capability should be provided in a format that does not require knowledge of EDI standards.)

**Transaction Set Sequential Numbering.** A routine that either assigns a sequential control number for all transmitted transaction sets for each trading partner or enables the receiver to determine whether a transaction set is missing from the transmission by checking the sequential numbers of inbound transactions.

**Transmitted Characters.** A report of the number of characters transmitted and the time and date of each transmission for each network. (The report allows the user to reconcile each network's bill.)

**Tutorial Package.** An interactive, on-line program that guides a user through a prescribed sequence of steps on using a particular translation software package.

**Unattended Operations Capability.** The ability to program the EDI translation software to automatically perform EDI-related processes such as sending or receiving EDI-formatted data at a user-specified time without operator presence.

**User-Definable System Interface.** Automated data-mapping procedures embedded in the EDI translation software package that create fixed- or variable-length files according to the user's requirements for subsequent translation to an EDI format. The reverse process is also applicable.

**User-Defined Management Reports.** Ad hoc management reports that can be created by the user, typically through a report generator embedded in the translation software package.

**User-Defined Print Output** A feature that permits the user to define the output format for printing manually entered data.

**User Documentation.** A nontechnical description of the translation software system and the operation of all system functions.

**User Support (Hot Lines).** Telephone support provided by a vendor to resolve any operating problems when using a translation software package.

**User-Defined Data Input Screens.** A set of user-defined screens for entering data into the translation software package for subsequent translation into an EDI format. These screens are presented in a non-EDI format that does not require knowledge of EDI standards.

**Version Support.** Translation software that supports the current and two previous releases of an EDI standard.

**Version Support Table.** A table that identifies the version of every EDI standard being used by each trading partner.

## **APPENDIX A**

### **EDI TRANSLATION SOFTWARE VENDOR LIST**

**This appendix lists all the EDI translation software vendors contacted during the preparation of this guide. We have grouped the vendors according to the hardware required by their software: microcomputer, minicomputer, or mainframe. Those vendors excluded from the guide and our reasons are provided in Table A-1. Both the list and the table provide an address, telephone number, and point of contact for each vendor.**



## **Microcomputer Software Vendors**

**Advanced Communications Systems**  
25054 Lorain Road  
North Olmsted, OH 44070  
Tom Palubinskas  
Bob Stone  
(800) 223-5424  
(216) 779-5424

**American Business Computer**  
1170 Eisenhower Place  
Ann Arbor, MI 48108  
Anne Hurtubise  
(313) 973-6600

**American Custom Software, Inc.**  
2420 Fisk Road  
Cookeville, TN 38501  
Robert Sparkman  
(615) 537-6516

**The APL Group, Inc.**  
644 Danbury Road  
Wilton, CT 06897  
Stuart Sawabini  
(203) 762-3933

**Baggerly & Associates**  
1420 N. Claremont Boulevard, Suite 209C  
Claremont, CA 91711  
Marketing Department  
(714) 625-7917

**Bell Atlantic Network Services, Inc.**  
1310 N. Courthouse Road, 7th Floor  
Arlington, VA 22201  
Marjorie MacArthur  
(703) 974-3919



**Birmingham Computer Group, Inc.**  
1471 S. Woodward Avenue, Suite 275  
Bloomfield Hills, MI 48302  
Chuck Townsend  
(313) 333-7300

**Blue Rainbow Software International**  
1899 Powers Ferry Road, Suite 330  
Atlanta/Marietta, GA 30067  
Hans Plotzender  
(800) 258-3433

**CANAC Telecom**  
151 Front Street West, Suite 514  
Toronto, Canada M5J 2N1  
Scott Beaver  
(800) 668-2784  
(416) 860-2815

**CAN/AM Tech Inc.**  
205 South Main Street  
Slippery Rock, PA 16057  
Norm Morrison  
(412) 794-5884

**Data Dispatch Corporation**  
4375 Fair Lakes Court, Suite 2020  
Fairfax, VA 22033-4234  
Dave Hermens  
(703) 818-0207

**DIGIT Software, Inc.**  
P. O. Box 1425  
Silver Spring, MD 20902  
Todd Ross  
(301) 593-8952

**DNS Associates, Inc.**  
One Militia Drive, Suite B1  
Lexington, MA 02173  
Marketing Department  
(617) 862-8569

**Dynamic Business Systems**  
3256 W. 25th Street  
Cleveland, OH 44109  
Dennis Chatfield  
(216) 398-6088

**EDI Able, Inc.**  
Great Valley Corporate Center  
20 Valley Stream Parkway, Suite 140  
Malvern, PA 19355  
Lawrence Spoerl  
(800) 622-6118  
(215) 993-0851

**EDI, Inc.**  
19650 Club House Road  
Gaithersburg, MD 20879  
L. Dale Sortland  
(301) 670-0811

**EDICT Systems**  
1619 Mardon Drive  
Dayton, OH 45432  
Jason K. Wadzinski  
(513) 429-4288

**Electronic Data Systems**  
800 Tower Drive, 2nd Floor  
Troy, MI 48007-7019  
Kathleen Diz  
(800) 365-8232

**Foretell Corporation**  
155 North Pfingsten Road, Suite 210  
Deerfield, IL 60015  
Les Conklin  
(708) 317-9000

**General Electric Information Services**  
401 North Washington Street  
Rockville, MD 20850  
Dick Donohoe  
James Motyka  
(301) 340-4000

**Grace Computer Resources, Inc.**  
204 Merchants Drive  
Norcross, GA 30093  
Roy Leffew, Jr.  
(404) 939-1743

**Harbinger\*EDI Services**  
1800 Century Place, Suite 340  
Atlanta, GA 30345  
Deborah Gallagher  
(404) 320-1636

**Integrated Telecommunication Software Corp.**  
3586 NW 95th Terrace  
Sunrise, FL 33351  
Phil Keminsky  
(305) 748-6878

**Intercoastal Data Corp.**  
129 Bankhead Avenue  
Carrollton, GA 30117  
Randy Pete  
(404) 834-6469

**International Business Machines**  
3405 West Buffalo Avenue  
Mail Drop S405A  
Tampa, FL 33630  
Mike McElroy  
(813) 878-4118

**LEK Product Marketing Company, Inc.**  
2226 E. 117th Street  
Burnsville, MN 55337  
Larry Kramer  
(612) 895-0192

**Lloyd Bush, Inc.**  
40 Broad Street  
New York, NY 10004  
Marcy McKinley  
(212) 809-8560

**MAXXUS, Inc.**  
140 Second Street, Suite 603  
San Francisco, CA 94105  
John Fountain  
(415) 243-9690

**Patrick Frantz Consulting**  
204 East Jefferson Street  
Syracuse, NY 13202  
Maryann Tracy  
(315) 476-1564

**Perwill EDI, Incorporated**  
6133 Rockside Road, Suite 402  
Independence, OH 44131  
Bill Bromley  
(800) 969-3341  
(216) 642-7565

**Piedmont Systems, Inc.**  
4400 Silas Creek Parkway, Suite 300  
Winston-Salem, NC 27104  
Chuck Cloer  
(919) 760-3620

**RF Parker Consulting**  
815 North Broad Street  
Grove City, PA 16127  
Richard F. Parker  
Jan W. Parker  
(412) 458-7576

**RMS, Inc.**  
17187 N. Laurel Park Drive, Suite 204  
Livonia, MI 48152  
John Bennett  
(313) 462-1200

**Sprint**  
1875 I Street, N.W.  
Washington, DC 20006  
Margot Wall  
(202) 416-6234

**St. Paul Software  
754 Transfer Road  
St. Paul, MN 55114  
Larry Haisting  
(612) 641-0963**

**Sterling Software, ORDERNET Services Division  
P. O. Box 7160  
4600 Lakehurst Court  
Dublin, OH 43017  
Doug Stewart  
Dave Dodge  
(614) 793-7000**

**Supply Tech, Inc.  
1000 Campus Drive  
Ann Arbor, MI 48104  
Daniel M. Faletti  
(313) 998-4044**

**Synergistic Systems, Inc.  
442 North 3rd Street  
Neptune Beach, FL 32233  
Ron Meison  
Margo Noel  
(904) 249-0201**

## **Minicomputer Software Vendors**

**Advantage Systems, Inc.**  
30680 Montpelier Drive, Suite 350  
Madison Heights, MI 48071  
David Williams  
(313) 588-3480

**American Business Computer**  
1170 Eisenhower Place  
Ann Arbor, MI 48108  
Anne Hurtubise  
(313) 973-6600

**Baggerly & Associates**  
1420 N. Claremont Boulevard, Suite 209C  
Claremont, CA 91711  
Marketing Department  
(714) 625-7917

**Birmingham Computer Group, Inc.**  
1471 S. Woodward Avenue, Suite 275  
Bloomfield Hills, MI 48302  
Chuck Townsend  
(313) 333-7300

**Blue Rainbox Software International**  
1899 Powers Ferry Road, Suite 330  
Atlanta/Marietta, GA 30067  
Hans Plotzender  
(800) 258-3433

**Cable & Wireless Communications, Inc.**  
1919 Gallows Road  
Vienna, VA 01851  
Local representatives  
(800) 486-6367

**CANAC Telecom**  
151 Front Street West, Suite 514  
Toronto, Canada M5J 2N1  
Scott Beaver  
(800) 668-2784  
(416) 860-2815

**Digital Equipment Corporation**  
10 Tara Boulevard  
Nashua, NH 03062  
Mark Hayward  
(603) 884-0676

**DNS Associates, Inc.**  
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Marketing Department  
(617) 862-8569

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(301) 670-0811

**EDI Solutions, Inc.**  
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Minneapolis, MN 55435  
David L. Schenk  
(612) 831-9000

**Electronic Data Systems**  
800 Tower Drive, 2nd Floor  
Troy, MI 48007-7019  
Kathleen Diz  
(800) 365-8232

**Extol, Inc.**  
99 North Line Street  
P. O. Box 29  
Frackville, PA 17931  
Anthony Baran  
(717) 874-0695

**Integral Systems, Inc.**  
14492 Sheldon Road, Suite 300  
Plymouth, MI 48170  
Sue DeMaester  
(800) 234-7253  
(313) 459-7760

**Intercoastal Data Corp.**  
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Carrollton, GA 30117  
Randy Pete  
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(216) 642-7565

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Winston-Salem, NC 27104  
Chuck Cloer  
(919) 760-3620

**Premenos Corp.**  
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Concord, CA 94520  
Michael Nelson  
(510) 602-2000

**Radley Business Computers, Inc.**  
23077 Greenfield Road  
Southfield, MI 48075  
John Walczy  
(800) 334-9934  
(313) 559-6858



**RMS, Inc.**  
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**(614) 793-7000**

**Trinary Systems, Inc.**  
**38345 West Ten Mile Road, Suite 330**  
**Farmington Hills, MI 48335**  
**Michelle D. Crew**  
**(313) 442-8540**

**TSI International**  
**45 Danbury Road**  
**P. O. Box 840**  
**Wilton, CT 06897-0840**  
**Ron Antini**  
**(203) 761-8600**

**Userbase Systems, Inc.**  
**9051 Executive Park Drive, Suite 300**  
**Knoxville, TX 37923**  
**Gary Neubert**  
**(615) 691-0823**

## **Mainframe Software Vendors**

**American Business Computer**  
1170 Eisenhower Place  
Ann Arbor, MI 48108  
Anne Hurtubise  
(313) 973-6600

**Digital Equipment Corporation**  
10 Tara Boulevard  
Nashua, NH 03062  
Mark Hayward  
(603) 884-0676

**EDI Solutions, Inc.**  
7760 France Avenue South, Suite 1140  
Minneapolis, MN 55435  
David L. Schenk  
(612) 831-9000

**General Electric Information Services**  
401 North Washington Street  
Rockville, MD 20850  
Dick Donohoe  
James Motyka  
(301) 340-4000

**International Business Machines**  
3405 West Buffalo Avenue  
Mail Drop S405A  
Tampa, FL 33630  
Mike McElroy  
(813) 878-4118

**Sterling Software, ORDERNET Services Division**  
P. O. Box 7160  
4600 Lakehurst Court  
Dublin, OH 43017  
Doug Stewart  
Dave Dodge  
(614) 793-7000

**Supply Tech, Inc.**  
**1000 Campus Drive**  
**Ann Arbor, MI 48104**  
**Daniel M. Faletti**  
**(313) 998-4044**

**TSI International**  
**45 Danbury Road**  
**P. O. Box 840**  
**Wilton, CT 06897-0840**  
**Ron Antini**  
**(203) 761-8600**

**TABLE A-1**  
**VENDORS NOT INCLUDED IN GUIDE**

Company	Contact	Reason
<b>Advantage Systems, Inc.</b> <b>950 Winter Street, Suite 2100</b> <b>Waltham, MA 02154</b>	<b>Carolyn Heller</b> <b>(617) 890-2400</b>	<b>Product is application specific; software is used to electronically move payments between banks and their trading partners.</b>
<b>AT&amp;T</b> <b>55 Corporate Drive</b> <b>Bridgewater, NJ 08807-6991</b>	<b>Barbara Peterson</b> <b>(201) 331-4272</b>	<b>For users of AT&amp;T's EDI VAN services, will provide support for EDI translation software products developed by Premenos Corp.; EDI Solutions; Supply Tech, Inc.; and Unisys.</b>
<b>Base 2 Corporation</b> <b>435 East Mill Street</b> <b>Plymouth, WI 53073</b>	<b>Paul Gutelius</b> <b>(414) 892-4566</b>	<b>Product has been developed primarily for automotive industry suppliers, retailers, and manufacturers.</b>
<b>Comprehensive Technologies International, Inc.</b> <b>14500 Avion Parkway, Suite 250</b> <b>Chantilly, VA 22021</b>	<b>Alfred Navarro</b> <b>(703) 803-2747</b>	<b>Product has been developed exclusively for health care industry.</b>
<b>Computer Power, Inc.</b> <b>P. O. Box 5568</b> <b>Florence, SC 29502</b>	<b>Jim Curley</b> <b>(803) 665-0478</b>	<b>Requested to be excluded; product is primarily used by hospitals, industry, and electronics.</b>
<b>Dun &amp; Bradstreet Software</b> <b>3445 Peachtree Road, Northeast</b> <b>Atlanta, GA 30326</b>	<b>Frank Buchheit</b> <b>(404) 239-3411</b>	<b>Provides business applications that support EDI; EDI translator may only be purchased as part of application. Management Science America, Inc., merged with McCormick and Dodge to form Dun &amp; Bradstreet Software.</b>
<b>Fritz Companies, Inc.</b> <b>P. O. Box 66215</b> <b>AMF O'Hare International Airport</b> <b>Chicago, IL 60666</b>	<b>John Fitzgerald</b> <b>(708) 616-5600</b>	<b>Product has been developed exclusively for import and export companies.</b>
<b>Future Three Software, Inc.</b> <b>33031 Schoolcraft Road</b> <b>Livonia, MI 48150</b>	<b>Sarah Eatherly</b> <b>(313) 261-5609</b>	<b>Product has been developed exclusively for the automotive industry.</b>

**TABLE A-1**  
**VENDORS NOT INCLUDED IN GUIDE (Continued)**

Company	Contact	Reason
<b>Genzlinger Associates, Inc.</b> <b>Two Northfield Plaza, Suite 212</b> <b>5700 Crooks Road</b> <b>Troy, MI 48098</b>	<b>Roger Marshall</b> <b>(313) 879-7070</b>	<b>Product has been developed exclusively for automotive industry and repetitive manufactures (auto and appliance).</b>
<b>Information and Financial Services</b> <b>Office Court, Suite 200</b> <b>482 Norristown Road</b> <b>Blue Bell, PA 19422</b>	<b>John Gerdes</b> <b>(215) 834-1700</b>	<b>Remarkets DNS Associates, Inc.'s "EDI/Edge" product.</b>
<b>Innovative Computing Corporation</b> <b>4300 Highline Boulevard, Suite 100</b> <b>Oklahoma City, OK 73108</b>	<b>Don Wancura</b> <b>(405) 949-9070</b>	<b>Product is industry specific; translator can only be purchased as part of a trucking and transportation software package.</b>
<b>LDJ Computers, Inc.</b> <b>42872 Mound Road</b> <b>Sterling Heights, MI 48314</b>	<b>Theresa D'Angelo</b> <b>(313) 254-8600</b>	<b>Product has been developed primarily for the automotive industry.</b>
<b>Logistics Concepts</b> <b>8300 Logistics Drive</b> <b>Zeeland, MI 49464</b>	<b>Tom Hula</b> <b>(616) 772-0028</b>	<b>Product is industry specific; translation software can only be purchased as part of a warehousing software package. Also remarkets Information and Financial Service's "EDI/Edge" package.</b>
<b>Management Computer Systems</b> <b>123 North Union Avenue</b> <b>Cranford, NJ 07016</b>	<b>David Walsh</b> <b>(908) 272-3080</b>	<b>Product has been developed exclusively for the food industry.</b>
<b>Manufacturing Systems, Inc.</b> <b>P. O. Box 52007</b> <b>6700 Baum Drive, Suite 4</b> <b>Knoxville, TN 37950</b>	<b>Walter Williams</b> <b>(615) 558-3001</b>	<b>Requested to be excluded; company only works with manufacturing companies located in East Tennessee.</b>
<b>National Systems Corporation</b> <b>51 Madison Avenue</b> <b>22nd Floor</b> <b>New York, NY 10010</b>	<b>Michael Gibbons</b> <b>(212) 679-6060</b>	<b>Company was acquired by Sterling Software. Product has been developed exclusively for the banking and finance industries.</b>

**TABLE A-1**  
**VENDORS NOT INCLUDED IN GUIDE (Continued)**

Company	Contact	Reason
<b>Paper Free Systems, Inc.</b> <b>733 15th Street, Northwest</b> <b>Suite 700</b> <b>Washington, DC 20005</b>	<b>Dan Kazzazz</b> <b>(202) 628-6211</b>	<b>Provides EDI integration services; does not offer a translation software package for purchase. Offers a generic application interface program that can be integrated with most PC translation software products.</b>
<b>PLP Systems, Inc.</b> <b>631 Doe Drive</b> <b>Murfreesboro, TN 37130</b>	<b>Bill Parrott</b> <b>(615) 896-0081</b>	<b>Remarkets EDI translation software products developed by American Business Computer, IBM, Premenos Corp. and Supply Tech, Inc.; also develops custom EDI software.</b>
<b>Prophet 21</b> <b>19 West College Avenue</b> <b>Yardley, PA 19067</b>	<b>Debbie Dickerson</b> <b>(215) 493-8900</b>	<b>Product is a turnkey system developed primarily for industrial distribution users.</b>
<b>RAILINC Corporation</b> <b>50 F Street, Northwest</b> <b>Washington, DC 20001</b>	<b>Joe Ready</b> <b>(202) 639-5580</b>	<b>Product has been developed exclusively for rail carriers.</b>
<b>Software Associates</b> <b>219 Patterson Avenue</b> <b>Little Falls, NJ 07424</b>	<b>Joe Wells</b> <b>(201) 812-0900</b>	<b>Remarkets Sterling Software's EDI translation software packages; also performs EDI integration and customization services. Currently beta testing a generic application interface program that can be integrated with most PC translation software products.</b>
<b>TanData Corporation</b> <b>700 TanData Plaza</b> <b>1400 South Boston Avenue</b> <b>Tulsa, OK 74119</b>	<b>Daniel Biby</b> <b>(918) 585-1907</b>	<b>Remarkets the APL Group's translation software package, "QualEDI."</b>

**TABLE A-1****VENDORS NOT INCLUDED IN GUIDE (Continued)**

<b>Company</b>	<b>Contact</b>	<b>Reason</b>
<b>Technalysis Corporation 6700 France Avenue Minneapolis, MN 55435</b>	<b>Jim Clark Gail Hildreth (612) 925-5900 Craig Moore (703) 821-3911</b>	<b>Remarkets IBM's "Data Interchange" translation software packages; also provides EDI system integration services.</b>
<b>Txbase Systems, Inc. 225 East Beaver Creek, Suite 200 Ontario, Canada L4B3P4</b>	<b>Ray Talwar (416) 771-8100</b>	<b>Product is industry specific; translator is sold as part of a manufacturing system on Unix platforms (translator is from Electronic Data Systems).</b>
<b>Universal Software, Inc. 170 Emory Road Marshfield, MA 02050</b>	<b>Norman Platt (617) 836-5011</b>	<b>Provides EDI communication software to EDI VANs for IBM DOS/VS(E) and MVS operating environments.</b>
<b>Vertical Systems, Inc. 2030 First Avenue, Suite 201 Seattle, WA 98101</b>	<b>George Cross (206) 441-8600</b>	<b>Provides EDI integration services; does not offer a translation software product for purchase.</b>
<b>World Trade Services, Inc. P. O. Box 569 Beaverton, OR 97075</b>	<b>Mark Anderson (800) 338-4333</b>	<b>Product has been developed primarily for international trade management.</b>

## **APPENDIX B**

### **UNIX-BASED EDI TRANSLATION SOFTWARE VENDOR LIST**

Because of the increased demand for Unix-based EDI translation software, we have identified the vendors that offer Unix-based products. This appendix lists the vendor, the vendor's address, telephone number, and point of contact.





## **Unix-Based Software Vendors**

**American Business Computer**  
1170 Eisenhower Place  
Ann Arbor, MI 48108  
Anne Hurtubise  
(313) 973-6600

**Baggerly & Associates**  
1420 N. Claremont Boulevard, Suite 209C  
Claremont, CA 91711  
Marketing Department  
(714) 625-7917

**Birmingham Computer Group, Inc.**  
1471 S. Woodward Avenue, Suite 275  
Bloomfield Hills, MI 48302  
Chuck Townsend  
(313) 333-7300

**Blue Rainbow Software International**  
1899 Powers Ferry Road, Suite 330  
Atlanta/Marietta, GA 30067  
Hans Plotzender  
(800) 258-3433

**CANAC Telecom**  
151 Front Street West, Suite 514  
Toronto, Canada M5J2N1  
Scott Beaver  
(800) 668-2784  
(416) 860-2815

**DNS Associates, Inc.**  
One Militia Drive, Suite B1  
Lexington, MA 02173  
Marketing Department  
(617) 862-8569

**EDI Solutions, Inc.**  
7760 France Avenue South, Suite 1140  
Minneapolis, MN 55435  
David L. Schenk  
(612) 831-9000

**Electronic Data Systems**  
800 Tower Drive, 2nd Floor  
Troy, MI 48007-7019  
Kathleen Diz  
(800) 365-8232

**Integrated Telecommunication Software Corp.**  
3586 NW 95th Terrace  
Sunrise, FL 33351  
Phil Keminsky  
(305) 748-6878

**LEK Product Marketing Company, Inc.**  
2226 E. 117th Street  
Burnsville, MN 55337  
Larry Kramer  
(612) 895-0192

**Perwill EDI, Incorporated**  
6133 Rockside Road, Suite 402  
Independence, OH 44131  
Bill Bromley  
(800) 969-3341  
(216) 642-7565

**Piedmont Systems, Inc.**  
4400 Silas Creek Parkway, Suite 300  
Winston-Salem, NC 27104  
Chuck Cloer  
(919) 760-3620

**RMS, Inc.**  
17187 N. Laurel Park Drive, Suite 204  
Livonia, MI 48152  
John Bennett  
(313) 462-1200

**Sprint**  
**1875 I Street, N.W.**  
**Washington, DC 20006**  
**Margot Wall**  
**(202) 416-6234**

**St. Paul Software**  
**754 Transfer Road**  
**St. Paul, MN 55114**  
**Larry Haisting**  
**(612) 641-0963**

**Userbase Systems, Inc.**  
**9051 Executive Park Drive, Suite 300**  
**Knoxville, TX 37923**  
**Gary Neubert**  
**(615) 691-0823**

## **APPENDIX C**

### **VENDOR INFORMATION**

**This appendix provides detailed information on the products offered by each of the EDI software vendors, including hardware operating environment, product pricing, availability on General Services Administration or Department of Defense procurement contracts, and third-party networks directly accessed by the software.**



## **Advanced Communications Systems**

**Address:** 25054 Lorain Road  
North Olmsted, OH 44070

**Contact:** Tom Palubinskas  
Bob Stone

**Phone:** (800) 223-5424  
(216) 779-5424

**Product:** ACSPCX12

**Hardware/Operating System Environment:** IBM compatible XT, AT, PS/2, with 20MB hard disk, 640K RAM, MS-DOS 3.0

**EDI Standards Supported:** TDCC, AIAG, X12, ANSI subsets

### **Pricing:**

#### **Basic Package Cost:**

\$1,650; Outbound transaction sets cost an additional \$295 each; all inbound transaction sets are included

\$2,450; (Includes all outbound and inbound transaction sets.)

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$595

**Maintenance Fee Includes:** Software enhancements, standards updates, telephone support

**Training Fee:** On-site installation is available; call vendor

**Additional Fees:** Not available

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** Control Data; GEIS; RAILINC; CompuServe; Ford; GM; Walmart; Service Merchandise; IBM; CTX; BT Tymnet

**Vendor Experience**

**Year Company Founded: 1985**

**Date Package First Available: 1987**

**EDI Professional Staff Resources**

**Technical Staff: 6**

**Hot Line: 2**

**Total: 15**

**Miscellaneous Information: Revenue is derived exclusively from EDI services.**

**Programming Language Used by Package: COBOL**



## **Advantage Systems, Inc.**

**Address:** 30680 Montpelier Drive, Suite 350  
Madison Heights, MI 48071

**Contact:** David Williams

**Phone:** (313) 588-3480

**Product:** EDI Advantage

**Hardware/Operating System Environment:** IBM System 36, AS/400

**EDI Standards Supported:** X12

### **Pricing:**

#### **Basic Package Cost:**

Includes two transaction sets and source code

System 36: \$3,000

AS/400: \$3,000 to \$9,000 depending on model

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** System 36 — \$400, AS/400 — \$450 to \$1,200 depending on model

**Annual Maintenance Fee:** 15 percent of installed software price

**Maintenance Fee Includes:** Hot line, standards updates, software enhancements

**Training Fee:** None

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** Control Data, BT Tymnet

### **Vendor Experience**

**Year Company Founded:** 1984

**Date Package First Available:** 1986

**EDI Professional Staff Resources**

**Technical Staff: 3**

**Hot Line: 1**

**Total: 5**

**Miscellaneous Information:** Product was developed primarily for the automotive industry but is not restricted to that industry.

**Programming Language Used by Package:**

System 36 – RPG II

AS/400 – RPG 400

## **American Business Computer**

**Address:** 1170 Eisenhower Place  
Ann Arbor, MI 48108

**Contact:** Anne Hurtubise

**Phone:** (313) 973-6600

**Product:** EDE-PC (written for automotive industry)  
EDI-ExCel/PC  
EDI-ExCel/Unix  
EDI-Server (intelligent gateway processor)

### **Hardware/Operating System Environment:**

EDE-PC: IBM compatible PC

EDI-ExCel/PC: IBM compatible PC

EDI-ExCel/Unix: AT&T 3B family; NCR Tower (Unix or SCO Xenix); HP9000;  
Gould-UX; IBM RS/6000; Arix; Sequoia; Sun; and others

EDI-Server: AT&T 3B family; NCR Tower; HP9000; IBM RS/6000

**EDI Standards Supported:** X12, TDCC, WINS, UCS

### **Pricing:**

#### **Basic Package Cost:**

EDE-PC:	\$2,000	—	\$5,000
EDI-ExCel/PC:	\$3,000	—	\$8,000
EDI-ExCel/Unix:	\$5,000	—	\$35,000
EDI-Server:	\$15,000	—	\$100,000

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** EDE-PC, EDI-ExCel, and EDI-Server — 15 percent of retail software cost

**Maintenance Fee Includes:** Hot line, standards updates, software enhancements

**Training Fee:** Included if at vendor's location; if at user's location, travel and living expenses.

**Additional Fees:** Not available

**GSA/DoD Schedules or Contracts:** EDI-ExCel is available to DoD activities through the Air Force's Standard Multiuser Small Computer Requirements Contract (SMSCRC), Modification #24.

**Networks Directly Accessed:** GEIS; CompuServe; IBM; Kleinschmidt; ORDERNET; Telenet; Chrysler; Ford; GM; AT&T; BT Tymnet

**Vendor Experience**

**Year Company Founded:** 1976

**Date Package First Available:** EDE-PC: 1986; EDI-ExCel: 1989; EDI-Server: 1990

**EDI Professional Staff Resources**

**Technical Staff:** 15

**Hot Line:** 6

**Total:** 40

**Miscellaneous Information:** Vendor is owned by TSM Computing Group, a subsidiary of Thomas Monaghan, Inc. EDE-PC is sold as a "solution" product for the automotive industry; EDI-ExCel and EDI-Server are not industry specific.

**Programming Language Used by Package:**

**EDE-PC:** Available in both BASIC and C

**EDI-ExCel:** C

**EDI-Server:** C and Informix database

**American Custom Software, Inc.**

**Address:** 2420 Fisk Road  
Cookeville, TN 38501

**Contact:** Robert Sparkman

**Phone:** (615) 537-6516

**Product:** BPT (Business Partner Translator)

**Hardware/Operating System Environment:** IBM compatible PC, XT, AT, PS/2, with 10MB hard disk, 640K RAM, MS-DOS 3.0 (will operate on Novell Network)

**EDI Standards Supported:** X12, ALAG, VICS, UCS, TDCC, WINS, GM, Ford

**Pricing:**

**Basic Package Cost:**

One trading partner: \$2,495

Multiple trading partners (includes setup for first 10 partners): \$3,995

After tenth partner: \$295 per transaction set

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** See above

**Annual Maintenance Fee:** 15 percent of software cost

**Maintenance Fee Includes:** EDI help desk, standards updates, software enhancements

**Training Fee:** On site: \$625 per day plus expenses

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; IBM; Control Data; Kleinschmidt; BT Tymnet; RAILINC; Sears; Harbinger; ORDERNET

**Vendor Experience**

**Year Company Founded:** 1984

**Date Package First Available:** 1988

**EDI Professional Staff Resources**

**Technical Staff: 12**

**Hot Line: 5**

**Total: 19**

**Miscellaneous Information:** First wrote EDI translation software for the automobile industry in 1984. Also provides consulting, implementation services, and EDI education.

**Programming Language Used by Package:** BASIC, C, Assembly

## **The APL Group, Inc.**

**Address:** 644 Danbury Road  
Wilton, CT 06897

**Contact:** Stuart Sawabini

**Phone:** (203) 762-3933

**Product:** QualEDI

**Hardware/Operating System Environment:** IBM compatible XT, AT, PS/2 with MS-DOS 3.1 or higher; recommend 16 megahertz or higher and a minimum 10MB hard drive

**EDI Standards Supported:** X12, TDCC, UCS, VICS, WINS, EDIFACT

### **Pricing:**

#### **Basic Package Cost:**

Workstation single trading partner: \$1,650

Workstation multiple trading partners: \$2,500

Front-end single trading partner: \$2,500

Front-end multiple trading partners: \$3,200

(Vendor offers volume discounts)

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

#### **Annual Maintenance Fee:**

Workstation single trading partner: \$475

Workstation multiple trading partners: \$575

Front-end single trading partners: \$575

Front-end multiple trading partners: \$700

**Maintenance Fee Includes:** Hot line, software enhancements, standards updates, and all transaction sets currently used as well as those requested in the future.

**Training Fee:** On site: \$500 per day plus travel and expenses

**Additional Fees:** Not available

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** BT Tymnet; ORDERNET; Kleinschmidt; GEIS; CompuServe; TranSettlements; RAILINC; Ford; AT&T; Telecom Canada; IBM; Sears; WalMart

**Vendor Experience**

**Year Company Founded:** 1983

**Date Package First Available:** 1984

**EDI Professional Staff Resources**

**Technical Staff:** 7

**Hot Line:** 6

**Total:** 20

**Miscellaneous Information:** Vendor also provides EDI project management consulting and will provide customized software configuration.

**ANSI experience** is primarily in the purchasing functions.

**Programming Language Used by Package:** APL, C, Assembly



## **Baggerly & Associates**

**Address:** 1420 N. Claremont Boulevard, Suite 209C  
Claremont, CA 91711

**Contact:** Marketing Department

**Phone:** (714) 625-7917

**Product:** \*EDI\*FOCUS\*

**Hardware/Operating System Environment:** IBM compatible XT, AT, PS/2 with 20MB hard disk, 640K RAM, MS-DOS 3.0; DEC VMS; Unix platforms

**EDI Standards Supported:** X12, TDCC, VICS, WINS, UCS

### **Pricing:**

#### **Basic Package Cost:**

**PC: \$945** – Translator and data input screens only; applications system interface and communications software are not included.

**\$2,495** – Interface to applications system (flat file) and host interface (permits computer to operate as a front-end computer).

**DEC and Unix platforms:** Call vendor

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$150 for \*EDI\*FOCUS\*; \$450 for interface module; call vendor for maintenance prices on DEC and Unix platforms.

**Maintenance Fee Includes:** Standards updates, software enhancements, hot line

**Training Fee:** Varies depending on the extent of training required.

**Additional Fees:** Telephone support consultation; call for hourly rate.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** AT&T EasyLink; GEIS; IBM; BT Tymnet; AT&T

**Vendor Experience**

**Year Company Founded: 1983**

**Date Package First Available: 1988**

**EDI Professional Staff Resources**

**Technical Staff: 8**

**Hot Line: 3**

**Total: 14**

**Miscellaneous Information:** Vendor can also provide custom application development and implementation support.

**Programming Language Used by Package:**

**PC: C**

**DEC and Unix platforms: INGRES**

**Bell Atlantic Network Services, Inc.**

**Address:** 1310 N. Courthouse Road, 7<sup>th</sup> Floor  
Arlington, VA 22201

**Contact:** Marjorie MacArthur

**Phone:** (703) 974-3919

**Product:** IntelliTrade  
IntelliTrade Plus – includes communications software

**Hardware/Operating System Environment:** IBM compatible AT or PS/2 with MS-DOS 2.0 or higher

**EDI Standards Supported:** X12 and most subsets

**Pricing:**

**Basic Package Cost:**

\$799 if purchased at trading partner seminar; otherwise \$999

**Additional Charge Per EDI Standard:** \$15 – \$50

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$144 – \$480

**Maintenance Fee Includes:** Software enhancements, standards updates

**Training Fee:** None

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** EDI products are available to DoD on the Telecommunications Modernization Project (TEMPO) contract.

**Networks Directly Accessed:** Harbinger\*EDI; ORDERNET; Sears; BT Tymnet; GEIS; IBM; hot line is included if Bell Atlantic's EDI VAN is used.

**Vendor Experience**

**Year Company Founded:** 1984

**Date Package First Available:** 4<sup>th</sup> quarter 1990

**EDI Professional Staff Resources**

**Technical Staff: 3**

**Hot Line: 5**

**Total: 5**

**Miscellaneous Information:** Bell Atlantic has an agreement with Harbinger\*EDI Services to use Harbinger's InTouch\*EDI products as the basis for the IntelliTrade products.

**Programming Language Used by Package: C**

**Birmingham Computer Group, Inc.**

**Address:** 1471 S. Woodward Avenue, Suite 275  
Bloomfield Hills, MI 48302

**Contact:** Chuck Townsend

**Phone:** (313) 333-7300

**Product:** DOC-U-MAP: communications and translation software module with data mapping

**Hardware/Operating System Environment:** Unix; HP3000 (MPE); DEC VAX (VMS); IBM compatible XT, AT, PS/2, with MS-DOS 2.1 or higher, 10MB hard disk, 512K RAM (also operates with Novell Network and other LANs)

**EDI Standards Supported:** X12, TDCC, EDIFACT, Kmart, Sears, all automotive standards

**Pricing:**

**Basic Package Cost:**

Microcomputer: \$1,900 – \$9,200, includes one trading partner and DOC-U-MAP; \$1,000 for each additional trading partner

HP3000 and VAX: \$11,000 – \$35,000, includes one trading partner and DOC-U-MAP; \$1,500 for each additional trading partner

Unix platforms: \$11,200, unlimited trading partners, all EDI standards, and DOC-U-MAP

**Additional Charge Per EDI Standard:** Microcomputer: \$1,900; HP3000, VAX: \$4,500

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** 12 percent of purchase price

**Maintenance Fee Includes:** Standards updates, hot-line support, new software releases

**Training Fee:** \$60 per hour at vendor location; on site, travel and living expenses are extra.

**Additional Fees:** Source code available for \$15,000

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** IBM; GEIS; Control Data; BT Tymnet; and other major vendors

**Vendor Experience**

**Year Company Founded:** 1984

**Date Package First Available:** 1985

**EDI Professional Staff Resources**

**Technical Staff:** 6

**Hot Line:** 3

**Total:** 9

**Miscellaneous Information:** Other services available include order entry systems, manufacturing materials requirement planning software systems, bar coding systems, and consulting.

**Programming Language Used by Package:** COBOL

## **Blue Rainbow Software International**

**Address:** 1899 Powers Ferry Road, Suite 330  
Atlanta/Marietta, GA 30067

**Contact:** Hans Plotzender

**Phone:** (800) 258-3433

**Product:** MULTINET/36, /38, /400  
MULTINET/AIX  
MULTINET/HP-UX  
MULTINET/SUN  
MULTINET/PC  
MULTINET/2

**Hardware/Operating System Environment:** IBM compatible PC AT, 386, or 486 with MS-DOS 5.0 or higher, or OS/2; AS/400; System 36; System 38; IBM RS/6000 (AIX); HP9000 (HP-UX); SUN (SUN-OS)

**EDI Standards Supported:** X12, TDCC, UCS, WINS, EDIFACT, TRADACOMS

### **Pricing:**

#### **Basic Package Cost:**

MULTINET/400: \$4,900 – \$28,000

MULTINET/38: \$9,000

MULTINET/36: \$5,700

MULTINET/AIX/HP-UX,/SUN: \$4,900 – \$21,000

MULTINET/PC: \$3,550

MULTINET/PC w/data entry toolkit: \$5,650

MULTINET/2: \$4,500

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** MULTINET/PC and MULTINET/2: 20 percent of current purchase price or no fee and \$2 per minute for a 900 telephone support number (30-day money back guarantee). All other products: first 6 months are free, then 15 percent of current purchase price (100-day money back guarantee).

**Maintenance Fee Includes:** Hot line, standards updates, and software enhancements

**Training Fee:** Product training is included in purchase price. Three days of EDI education is \$595 per person at vendor site.

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** All major VANs.

**Vendor Experience**

**Year Company Founded:** 1986

**Date Package First Available:** 1988

**EDI Professional Staff Resources**

**Technical Staff:** 10

**Hot Line:** 11

**Total:** 31

**Miscellaneous Information:** Vendor provides turn-key solutions and EDI integration services.

**Programming Language Used by Package:**

MULTINET/36, /38, /400: RPG

Other products: C++



**Cable & Wireless Communications, Inc.**

**Address:** 1919 Gallows Road  
Vienna, VA 01851

**Contact:** Local Representatives throughout United States

**Phone:** (800) 486-6367

**Product:** EDI\*CENTRAL™ Software for the Wang VS

**Hardware/Operating System Environment:** Wang VS computers, VS Operating System Version 7.10.00 or greater

**EDI Standards Supported:**  
Sold in three "Standard Sets":  
ANSI X12 plus VICS  
TDCC plus UCS and WINS  
EDIFACT (including CEFIC)

**Pricing:**

**Basic Package Cost:** \$8,500, \$13,000, or \$19,000 depending on model of VS computer. (Includes Translator, Translator Interface, and the On-line Interface)

**Additional Charge Per EDI Standard:** One "standard set" free, second and third are \$2,000 each.

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$1,300; \$2,000; or \$2,900 depending on VS model

**Maintenance Fee Includes:** Software enhancements, standards updates

**Training Fee:**

ANSI X12 Class (on-site, 8 attendees)—\$1,000 plus instructor's travel and expenses

EDI\*CENTRAL for the Wang VS Implementor's Class—on-site, 8 attendees, \$3,000 plus travel and living expenses

EDI\*CENTRAL: \$3,000 for 8 attendees on-site; travel and living expenses are extra

**Additional Fees:**

Optional on-site installation – \$1,000 plus expenses

Optional application integration consulting (mapping and customization) – \$8,000 for the first transaction set; \$5,000 for each additional transaction set.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** Requires Wang communications software to access EDI VANs.

**Vendor Experience**

**Year Company Founded:** 1987

**Date Package First Available:** 1989 for Wang VS. (GEIS introduced the first version of EDI\*CENTRAL in 1986.)

**EDI Professional Staff Resources**

**Technical Staff:** Not available

**Hot Line:** Not available

**Total:** Not available

**Miscellaneous Information:** EDI\*CENTRAL Software for the Wang VS is a derivative version of GE Information Services' EDI\*CENTRAL Software. It is sold, installed, and supported solely by Cable & Wireless Communications, Inc. EDI\*CENTRAL is a trademark of General Electric Company, U.S.A. In function, EDI\*CENTRAL Software for the Wang VS is almost identical to the GEIS EDI\*CENTRAL package.

**Programming Language Used by Package:** ANSI 74 COBOL (Requires Wang COBOL Compiler Version 5.20.01 or greater.)

## **CANAC Telecom**

**Address:** 151 Front Street West, Suite 514  
Toronto, Canada M5J 2N1

**Contact:** Scott Beaver

**Phone:** (800) 668-2784  
(416) 860-2815

**Product:** Pro-EDI

**Hardware/Operating System Environment:** IBM compatible PC with MS-DOS; Midrange HP; Unix. Also LAN compatible.

**EDI Standards Supported:** X12, TDCC, UCS, VICS, WINS

### **Pricing:**

#### **Basic Package Cost:**

PC: \$4,700

PC LAN Version: \$6,700

HP: Call vendor

Unix: Call vendor

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** PC: \$750; first year is free

**Maintenance Fee Includes:** Toll-free hot line, standards updates, software enhancements

**Training Fee:** One day included in purchase price

**Additional Fees:** N/A

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** All major networks

### **Vendor Experience**

**Year Company Founded:** 1928

**Date Package First Available:** May 1991

**EDI Professional Staff Resources**

**Technical Staff: Over 20**

**Hot Line: Over 5**

**Total: Over 25**

**Miscellaneous Information:**

**Programming Language Used by Package: MicroFocus COBOL**

**CAN/AM Tech Inc.**

**Address:** 205 South Main Street  
Slippery Rock, PA 16057

**Contact:** Norm Morrison

**Phone:** (412) 794-5884

**Product:** E-Z Order

**Hardware/Operating System Environment:** IBM compatible XT, AT, PS/2 with MS-DOS 3.0, 20MB hard disk, 640 RAM

**EDI Standards Supported:** X12, TDCC, EDIFACT

**Pricing:**

**Basic Package Cost:** \$1,495 (includes communications and first year maintenance)

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$300

**Maintenance Fee Includes:** Upgrades to standards, software enhancements, hot line, reduced rate on any additional transaction sets required in the future

**Training Fee:** None

**Additional Fees:** \$500 per day for customized data entry screens, reports, and flat-file interfaces

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; Infonet; Sears; IBM. (Additional networks can be accessed upon request.)

**Vendor Experience**

**Year Company Founded:** 1985

**Date Package First Available:** 1987

**EDI Professional Staff Resources**

**Technical Staff:** 2 plus contract programmers

**Hot Line:** 2

**Total:** 4

**Miscellaneous Information:** Vendor's software can be used to create electronic catalogs.

**Programming Language Used by Package:** Borland Turbo C

## **Data Dispatch Corporation**

**Address:** 4375 Fair Lakes Court, Suite 2020  
Fairfax, VA 22033-4234

**Contact:** Dave Hermens

**Phone:** (703) 818-0207

**Product:** EDI/SYNAPSE

**Hardware/Operating System Environment:** IBM compatible XT, AT, PS/2 with MS-DOS 3.0, or higher, 10MB hard disk, 640K RAM

**EDI Standards Supported:** X12, TDCC, EDIFACT

### **Pricing:**

**Basic Package Cost:** Determined by distributor

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** Determined by distributor

**Maintenance Fee Includes:** Updates to standards, software enhancements, telephone support

**Training Fee:** Determined by distributor

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** RAILINC (uses a proprietary interchange envelope header); GEIS; IBM; ORDERNET

### **Vendor Experience**

**Year Company Founded:** 1983

**Date Package First Available:** 1986

**EDI Professional Staff Resources**

**Technical Staff: 3**

**Hot Line: 1**

**Total: 5**

**Miscellaneous Information:** Sold exclusively through distributors, including RAILINC Corporation.

**Programming Language Used by Package: C**



**DIGIT Software, Inc.**

**Address:** P. O. Box 1425  
Silver Spring, MD 20902

**Contact:** Todd Ross

**Phone:** (301) 593-8952

**Product:** MacEDI

**Hardware/Operating System Environment:** Apple Macintosh

**EDI Standards/Transaction Sets Supported:** X12, TDCC, WINS, VICS, UCS, EDIFACT

**Pricing:**

**Basic Package Cost:** \$1,950 for transaction manager; data mapper available for additional fee.

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** \$300 per data map; no charge if the data mapper is purchased.

**Annual Maintenance Fee:** \$400

**Maintenance Fee Includes:** Software enhancements, hot line, standards updates, data map updates

**Training Fee:** Not available

**Additional Fees:** Communications software may be purchased.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** AT&T; BT Tymnet; ORDERNET; IBM; GEIS; Control Data; RAILINC; Sears; Kleinschmidt

**Vendor Experience**

**Year Company Founded:** 1988

**Date Package First Available:** 1988

**EDI Professional Staff Resources**

**Technical Staff: 3**

**Hot Line: 3**

**Total: 3**

**Miscellaneous Information:**

**Programming Language Used by Package: C**

## **Digital Equipment Corporation**

**Address:** 10 Tara Boulevard  
Nashua, NH 03062

**Contact:** Mark Hayward

**Phone:** (603) 884-0676

**Product:** DEC/EDI – includes EDI translator and communications server.  
FileBridge – supports table-driven mapping to an existing application.

**Hardware/Operating System Environment:** DEC VAX (VMS), IBM MVS/CICS

**EDI Standards Supported:** X12, TDCC, EDIFACT, VICS, WINS, UCS, ODETTE

### **Pricing:**

#### **Basic Package Cost:**

DEC/EDI: \$10,000 and up depending on processor size

DEC/EDI, FileBridge, and Start-up Services: From \$27,000

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** Fee varies based on service and warranty contract; average is 15 percent of software purchase price.

**Maintenance Fee Includes:** Depends on service and warranty contract purchased.

**Training Fee:** Varies

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; BT Tymnet; AT&T; Harbinger; IBM; Sears; Sprint; ORDERNET; Telecom Canada

### **Vendor Experience**

**Year Company Founded:** 1957

**Date Package First Available:** 1990

## **EDI Professional Staff Resources**

**Technical Staff:** Not available

**Hot Line:** Not available

**Total:** Not available

**Miscellaneous Information:** Vendor provides business and technical consulting services.

### **Programming Language Used by Package: C**

Vendor also offers HostBridge for DEC/EDI, which is an add-on product that integrates client applications on IBM System 370 and System 390 processors running under MVS/CICS with any VAX/VMS-based processor running DEC/EDI and FileBridge for DEC/EDI software.

**DNS Associates, Inc.**

**Address:** One Militia Drive, Suite B1  
Lexington, MA 02173

**Contact:** Marketing Department

**Phone:** (617) 862-8569

**Product:** EDI/Entry – a system without an application interface  
EDI/Edge

**Hardware/Operating System Environment:** Any MS-DOS computer with 40MB hard disk, 640K RAM, MS-DOS 2.0; 386 computers with Xenix or Unix; RS/6000; Motorola; Sequent; HP; DEC VAX (VMS or Ultrix); Apollo; Gould. (Company will port translator to any Unix platform.)

**EDI Standards Supported:** X12, TDCC, WINS, UCS, EDIFACT

**Pricing:**

**Basic Package Cost:**

EDI/Entry: \$1,500

EDI/Edge: \$2,500

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$500

**Maintenance Fee Includes:** Toll-free hot line, standards updates, software enhancements

**Training Fee:** \$500 for 2-day class

**Additional Fees:** Partner sets – various prices

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** BT Tymnet; GEIS; CompuServe; Kleinschmidt; Control Data; IBM; Western Union; AT&T; ORDERNET; Harbinger; Sears

**Vendor Experience**

**Year Company Founded: 1979**

**Date Package First Available: 1986**

**EDI Professional Staff Resources**

**Technical Staff: 11**

**Hot Line: 3**

**Total: 14**

**Miscellaneous Information:** Vendor can provide consulting and implementation services.

**Programming Language Used by Package: C**

## **Dynamic Business Systems**

**Address:** International Business Center  
3256 W. 25th Street  
Cleveland, OH 44109

**Contact:** Dennis Chatfield

**Phone:** (216) 398-6088

**Product:** Trans-Sync

**Hardware/Operating System Environment:** IBM compatible PC, XT, AT, 386 with MS-DOS 3.3; 386 is recommended. (Also supports Novell network.)

**EDI Standards Supported:** X12, TDCC

### **Pricing:**

**Basic Package Cost:** \$2,895 (includes maintenance for first year)

**Additional Charge Per EDI Standard:** None; maintained by user

**Additional Charge Per Transaction Set:** None; maintained by user

**Annual Maintenance Fee:** \$600

**Maintenance Fee Includes:** Software enhancements, hot line

**Training Fee:** \$75 per hour (on-site installation and training at no cost in local area)

**Additional Fees:** \$75 per hour for customization

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; Sears; BT Tymnet; RAILINC; ORDERNET; GM; IBM; Chrysler; Ford

### **Vendor Experience**

**Year Company Founded:** 1985

**Date Package First Available:** 1986

**EDI Professional Staff Resources**

**Technical Staff: 3**

**Hot Line: 2**

**Total: 5**

**Miscellaneous Information: Integrated with MAS90 application software.**

**Programming Language Used by Package: C**



**EDI Able, Inc.**

**Address:** Great Valley Corporate Center  
20 Valley Stream Parkway, Suite 140  
Malvern, PA 19355

**Contact:** Lawrence Spoerl

**Phone:** (800) 622-6118  
(215) 993-0851

**Product:** FrEDI

**Hardware/Operating System Environment:** IBM compatible PC with MS-DOS

**EDI Standards Supported:** X12, TDCC, UCS, WINS, UCS

**Pricing:**

**Basic Package Cost:** \$995 – \$3,495

Special pricing programs are available to Government trading partners.

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** \$49 – \$295

**Annual Maintenance Fee:** \$295 – \$1,095

**Maintenance Fee Includes:** Toll-free hot line, standards updates, software enhancements

**Training Fee:** No charge for installation via telephone; on-site installation and training varies by location.

**Additional Fees:** Proprietary formats, programming, and consulting

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** Remarkets AT&T, IBM, BT Tymnet, and Sears EDI VAN services; provides full support. Will provide connectivity to other VANs upon request.

**Vendor Experience**

**Year Company Founded:** 1982

**Date Package First Available:** 1987

## **EDI Professional Staff Resources**

**Technical Staff: 9**

**Hot Line: 11**

**Total: 35**

**Miscellaneous Information:** A relational database, Dbase, has been integrated into FrEDI. Vendor is currently developing a health-care-based EDI product that will be available on the IBM RS/6000.

**Programming Language Used by Package:** R/Basic, C

**EDI, Inc.**

**Address:** 19650 Club House Road  
Gaithersburg, MD 20879

**Contact:** L. Dale Sortland

**Phone:** (301) 670-0811

**Product:** TELINK

**Hardware/Operating System Environment:** IBM compatible XT, AT, PS/2, with minimum 20MB hard disk, 640K RAM, MS-DOS 3.1 or higher; Tandem mainframes; Unisys 6000 Series

**EDI Standards Supported:** X12, TDCC, UCS, WINS

**Pricing:**

**Basic Package Cost:**

**Microcomputer:** \$3,500, includes the 997 functional acknowledgment and one additional transaction set, one communication interface, and first year maintenance

**Tandem:** \$25,000 – 37,000, includes 4 transaction sets

**Unisys:** \$11,200 – 22,500, includes 4 transaction sets

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** Microcomputer: \$300; Tandem: \$500; Unisys: \$500

**Annual Maintenance Fee:** Microcomputer: \$750; Tandem and Unisys: 15 percent of software cost

**Maintenance Fee Includes:** Standards updates, hot line, software enhancements

**Training Fee:** \$525 per person for 1½ days at vendor location for PC-based package; Tandem- or Unisys-based packages are \$1,000 per day plus expenses at on-site location.

**Additional Fees:** Many optional software modules are available; call vendor for prices.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; ORDERNET; Kleinschmidt; BT Tymnet; RAILINC; Control Data; Telecom Canada; TranSettlements; Western Union; IBM; CompuServe; Sears; AT&T; Harbinger; Sprint; DACOM; Global VAN Japan; Ford

**Vendor Experience**

**Year Company Founded:** 1982

**Date Package First Available:** 1984

**EDI Professional Staff Resources**

**Technical Staff:** 14

**Hot Line:** 3

**Total:** 35

**Miscellaneous Information:** Vendor also markets an EFT product, "MONEYLINK", and provides consulting services.

**Programming Language Used by Package:**

Microcomputer: FORTRAN 77

Tandem: FORTRAN 77 and C

Unisys: FORTRAN 77 and C

## **EDI Solutions, Inc.**

**Address:** 7760 France Avenue South, Suite 1140  
Minneapolis, MN 55435

**Contact:** David L. Schenk

**Phone:** (612) 831-9000

**Product:** EDItran – Translation management system  
EDImap – User-definable application interface system  
EDIfast – Realtime translation management system

**Hardware/Operating System Environment:** IBM MVS (DOS/VSE); DEC VAX (VMS); HP (MPE/V, MPE/XL); Stratus (VOS); Unix for HP9000, RS/6000, Sun, AS/400, and IBM compatible PC

**EDI Standards Supported:** X12, TDCC, EDIFACT, VICS, UCS, WINS

### **Pricing:**

#### **Basic Package Cost:**

Price is based on hardware configuration and includes source code.

EDItran: \$19,000 – \$45,000

EDImap: \$2,000 – \$5,000

EDIfast: \$60,000 – \$75,000

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** First year is free; then 15 percent of the current purchase price.

**Maintenance Fee Includes:** Hot line, software enhancements, standards updates

**Training Fee:** 2 days of on-site installation are included in basic package cost.

**Additional Fees:** Quoted by project; \$110/hour base fee.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** Software is network independent.

**Vendor Experience**

**Year Company Founded: 1986**

**Date Package First Available:**

**EDIttran: 1985**

**EDIfast: 1992**

**EDI Professional Staff Resources**

**Technical Staff: 20**

**Hot Line: 4**

**Total: 34**

**Miscellaneous Information:**

**Programming Language Used by Package: ANSI COBOL**

## **EDICT Systems**

**Address:** 1619 Mardon Drive  
Dayton, OH 45432

**Contact:** Jason K. Wadzinski

**Phone:** (513) 429-4288

**Product:** Formula\_One

**Hardware/Operating System Environment:** IBM compatible XT, AT with MS-DOS 3.3 or higher

**EDI Standards Supported:** X12 and its subsets

### **Pricing:**

**Basic Package Cost:** \$995

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$200

**Maintenance Fee Includes:** Standards updates, software enhancements, hot line

**Training Fee:** N/A

**Additional Fees:** Custom reports \$150; custom reformats \$300

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** All major EDI VANs. (First connection is free, additional connections are \$300 each.)

### **Vendor Experience**

**Year Company Founded:** 1990

**Date Package First Available:** March 1991

**EDI Professional Staff Resources**

**Technical Staff: 4**

**Hot Line: Not available**

**Total: 10**

**Miscellaneous Information:**

**Programming Language Used by Package: Turbo Pascal 6.0, Assembly**



## **Electronic Data Systems**

**Address:** 800 Tower Drive, 2nd Floor  
Troy, MI 48007-7019

**Contact:** Kathleen Diz

**Phone:** (800) 365-8232

**Product:** EDI\*ASSET (DOS)  
EDI\*EXPERT (Unix)

**Hardware/Operating System Environment:** IBM compatible PC, XT, AT, 386 with MS-DOS 3.1 or higher; Sun 3; Sun (SPARC); AT&T 3B2; Motorola Delta 5000; NCR Tower (Unix); RS/6000; Sequent; Prime

**EDI Standards/Transaction Sets Supported:** X12, TDCC

### **Pricing:**

#### **Basic Package Cost:**

EDI\*ASSET: \$2,500 plus \$600 for each group of transaction sets

EDI\*EXPERT: \$10,000 plus \$2,000 for each group of transaction sets

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** EDI\*ASSET: \$500; EDI\*EXPERT: \$1,000

**Maintenance Fee Includes:** Toll-free hot line, standards updates, software enhancements

**Training Fee:** Depends upon knowledge of user.

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** All major third-party networks; EDI\*EXPERT communications module costs \$1,000 for each network to be accessed.

**Vendor Experience**

**Year Company Founded:** 1962

**Date Package First Available:**

DOS: 1987

Unix: 1990

**EDI Professional Staff Resources**

**Technical Staff:** Not available

**Hot Line:** 20

**Total:** Not available

**Miscellaneous Information:** Vendor is a wholly-owned subsidiary of General Motors.

**Programming Language Used by Package:**

EDI\*Asset: C

EDI\*Expert: C

**ExtoL, Inc.**

**Address:** 99 North Line Street  
P. O. Box 29  
Frackville, PA 17931

**Contact:** Anthony Baran

**Phone:** (717) 874-0695

**Product:** ExtoL EDI Integrator

**Hardware/Operating System Environment:** IBM AS/400

**EDI Standards Supported:** X12, TDCC, UCS, WINS, EDIFACT

**Pricing:**

**Basic Package Cost:** \$20,000 – \$50,000 depending on processor size

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** First year is free; then 12 percent of license fee.

**Maintenance Fee Includes:** Toll-free hot line, software enhancements, standards update

**Training Fee:** 2 days of installation and training are included in basic package cost (expenses are additional). Additional training is \$750 per day.

**Additional Fees:** Not available

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; IBM; ORDERNET; BT Tymnet

**Vendor Experience**

**Year Company Founded:** 1989

**Date Package First Available:** 1990

**EDI Professional Staff Resources**

**Technical Staff: 3**

**Hot Line: 2**

**Total: 5**

**Miscellaneous Information:**

**Programming Language Used by Package: Synon/2E, RPG/400, CL**

## **Foretell Corporation**

**Address:** 155 North Pfingsten Road, Suite 210  
Deerfield, IL 60015

**Contact:** Les Conklin

**Phone:** (708) 317-9000

**Product:** Trading Partner PC

**Hardware/Operating System Environment:** IBM compatible 286 or 386 with MS-DOS 3.3 or higher

**EDI Standards Supported:** X12, EDIFACT, VICS

### **Pricing:**

**Basic Package Cost:** Call vendor; includes a report writer; and purchase order, invoice, and functional acknowledgment transaction sets

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** Call vendor

**Annual Maintenance Fee:** Call vendor

**Maintenance Fee Includes:** Standards updates, software enhancements, hot line

**Training Fee:** Call vendor

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** BT Tymnet; Control Data; GEIS; Sears; ORDERNET; IBM

### **Vendor Experience**

**Year Company Founded:** 1985

**Date Package First Available:** 1985

**EDI Professional Staff Resources**

**Technical Staff: 6**

**Hot Line: 6**

**Total: 20**

**Miscellaneous Information:** Foretell Corporation was purchased by TSI International in 1991 and is now a division of TSI. Peripheral equipment, bisynchronous modems, and Windows 286 can be purchased.

**Programming Language Used by Package: MicroSoft C**

## **General Electric Information Services**

**Address:** 401 North Washington Street  
Rockville, MD 20850

**Contact:** Dick Donohoe  
James Motyka

**Phone:** (301) 340-4000

**Product:** EDI\*PC (accesses GE's network and other VANs)  
EDI\*Central Translator (communications software must be purchased to connect to the desired VAN)  
EDI\*Central Translator Interface  
EDI\*Central CICS Interface  
EDI\*Central TSO/ISPI Interface  
EDI\*Benchmark (includes all EDI\*Central functionality, Translator Interface, and a PC-based mapping utility)

**Hardware/Operating System Environment:** EDI\*PC – IBM compatible XT, AT, PS/2 with MS-DOS 3.3, 640K RAM, 7MB free on hard disk

EDI\*Central, EDI\*Benchmark – IBM mainframe with MVS or DOS/VSE; DEC VAX; Prime mainframe; Honeywell DPS-6; Honeywell DPS-8; Honeywell DPS-9; HP3000; Amdahl; Unisys; Wang; ICL; Bull

**EDI Standards Supported:** X12, TDCC, UCS, WINS, EDIFACT

### **Pricing:**

#### **Basic Package Cost:**

EDI\*PC: \$695 for Federal Government; \$1,450 for commercial purchasers (includes one set of EDI standards).

EDI\*Central Translator: \$9,500 for Federal Government; \$20,000 for commercial purchasers (includes Translator and Translator Interface, one set of EDI standards, and 4 days of training for one person).  
(Source code is included.)

EDI\*Benchmark: Call vendor.

#### **Additional Charge Per EDI Standard:**

EDI\*PC: \$200

EDI\*Central: \$3,000

EDI\*Benchmark: Call vendor

**Additional Charge Per Transaction Set: None**

**Annual Maintenance Fee:**

EDI\*PC: None, maintenance for additional standards is \$200.

EDI\*Central: First 12 months are free; thereafter, \$3,150; maintenance for additional standards is \$450.

**Maintenance Fee Includes:** Toll-free hot line, standards updates, software enhancements; future enhancements may not be included.

**Training Fee:**

EDI\*PC: Free telephone training

EDI\*Central: Included for 1 person; classroom instruction available

EDI\*Benchmark: Call vendor

**Additional Fees:** Consulting assistance: Call vendor

**GSA/DoD Schedules or Contracts: None**

**Networks Directly Accessed:** EDI\*PC includes the communications software needed to access GEIS and other major networks; EDI\*Central can access other major networks in addition to GEIS with optional communications software.

**Vendor Experience**

**Year Company Founded:** 1879

**Date Package First Available:**

EDI\*PC: 1986

EDI\*Central: 1988

EDI\*Benchmark: 1992

**EDI Professional Staff Resources**

**Technical Staff:** 145

**Hot Line:** 29

**Total:** 194

**Miscellaneous Information:** Toll-free hot line. User may purchase network interface software for access to GEIS's EDI VAN and the Defense Data Network.

**Programming Language Used by Package:**

EDI\*PC: C, Pascal

EDI\*Central: COBOL



**Grace Computer Resources, Inc.**

**Address:** 204 Merchants Drive  
Norcross, GA 30093

**Contact:** Roy Leffew, Jr.

**Phone:** (404) 939-1743

**Product:** EDI-Ware

**Hardware/Operating System Environment:** IBM compatible PC with MS-DOS or PC-DOS version 3.1 or higher, 640K RAM, 5MB free space on hard drive. (Network compatible with IBM and Novell.)

**EDI Standards Supported:** X12, TDCC, WINS, VICS, UCS, including draft standards

**Pricing:**

**Basic Package Cost:**

**EDI-Ware EMS:** \$895, includes free transaction set map; additional "new" transaction sets are \$100

**EDI-Ware Map:** \$895, allows user to map to user-defined database internal to EDI-Ware

**EDI-Ware Batch Generator:** \$295, allows unattended operations

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** \$100 for each new transaction set for EMS.

**Annual Maintenance Fee:** EMS: \$150; Map: \$500

**Maintenance Fee Includes:** Software updates, standards updates, hot line

**Training Fee:** \$115 per hour on-site

**Additional Fees:** Offers IBM network mailbox; call company for details.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** IBM, Control Data, AT&T; ORDERNET

**Vendor Experience**

**Year Company Founded: 1981**

**Date Package First Available: 1986**

**EDI Professional Staff Resources**

**Technical Staff: 5**

**Hot Line: 2**

**Total: 7**

**Miscellaneous Information: Vendor offers additional consulting services.**

**Programming Language Used by Package: Visual COBOL**

## **Harbinger\*EDI Services**

**Address:** 1800 Century Place, Suite 340  
Atlanta, GA 30345

**Contact:** Deborah Gallagher

**Phone:** (404) 320-1636

**Product:** InTouch\*EDI – data input screens only; no application interface  
InTouch\*EDI PLUS – includes application interface

**Hardware/Operating System Environment:** IBM compatible PC, XT, AT, PS/2 with 10MB, 640K RAM, MS-DOS 3.0 or higher

**EDI Standards Supported:** X12, TDCC, WINS, UCS, EDIFACT

### **Pricing:**

#### **Basic Package Cost:**

In Touch \*EDI: \$1,295, all transaction sets, network setup

In Touch \*EDI PLUS: \$1,995, above plus application interface

Volume discounts are available.

**Additional Charge Per EDI Standard:** Call vendor

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** InTouch\*EDI: First 12 months are free, then \$120/year. InTouch\*EDI PLUS: First 6 months are free, then \$300/year.

**Maintenance Fee Includes:** Standards updates, software enhancements, toll-free hot line

**Training Fee:** Call vendor

**Additional Fees:** Call vendor

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** Uses only Harbinger network; interconnects are available to other major networks.

**Vendor Experience**

**Year Company Founded:** 1983

**Date Package First Available:** 1988

**EDI Professional Staff Resources**

**Technical Staff:** 40

**Hot Line:** 15

**Total:** 80 (including network services personnel)

**Miscellaneous Information:** Vendor is partly owned by Westinghouse Electric Corporation; vendor will provide customized EDI services upon request.

**Programming Language Used by Package:** C, Btrieve

**Integral Systems, Inc.**

**Address:** 14492 Sheldon Road, Suite 300  
Plymouth, MI 48170

**Contact:** Sue DeMaester

**Phone:** (800) 234-7253  
(313) 459-7760

**Product:** Wright EDI

**Hardware/Operating System Environment:** IBM System 36, System 38, AS/400

**EDI Standards Supported:** X12, WINS, VICS, TDCC, ALAG

**Pricing:**

**Basic Package Cost:**

System 36: \$5,000

System 38: \$7,000

AS400: \$6,000 – \$18,000

(Basic package includes translator, communications software, and management reports.)

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** \$500

**Annual Maintenance Fee:** 18 percent of total current value of package; first 90 days are free.

**Maintenance Fee Includes:** Standards upgrades, software enhancements, hot-line support

**Training Fee:** \$600 per day

**Additional Fees:** Vendor will program custom interfaces for \$75 per hour.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** IBM; GEIS; Control Data; Kleinschmidt; ORDERNET; Sears; GM; Ford; Chrysler. (Vendor will access additional networks as requested by a user; the cost will depend upon the user's requirements.)

**Vendor Experience**

**Year Company Founded:** 1977

**Date Package First Available:** 1987

**EDI Professional Staff Resources**

**Technical Staff:** 10

**Hot Line:** 4

**Total:** 18

**Miscellaneous Information:** Vendor's X12 experience is primarily in the automotive industry; vendor provides some consulting services.

**Programming Language Used by Package:** RPG and Synon (CASE Tool)

**Integrated Telecommunication Software Corp.**

**Address:** 3586 NW 95th Terrace  
Sunrise, FL 33351

**Contact:** Phil Keminsky

**Phone:** (305) 748-6878

**Product:** SDIS – Standards Driven Interface System

**Hardware/Operating System Environment:** IBM compatible XT, AT, or 386 with MS-DOS, Unix, or Xenix

**EDI Standards Supported:** X12, TDCC, VICS, UCS, EDIFACT

**Pricing:**

**Basic Package Cost:** \$1,995

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$1,200

**Maintenance Fee Includes:** Software enhancements, standards updates, new trading partners, hot line

**Training Fee:** None

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** IBM; BT Tymnet; ORDERNET; Control Data; GEIS; Harbinger; Sprint; Sears

**Vendor Experience**

**Year Company Founded:** 1982

**Date Package First Available:** 1989

**EDI Professional Staff Resources**

**Technical Staff: 5**

**Hot Line:** (Technical staff also supports hot line.)

**Total: 8**

**Miscellaneous Information:**

**Programming Language Used by Package:** COBOL Reilia and MicroFocus  
COBOL



## **Intercoastal Data Corp**

**Address:** 129 Bankhead Avenue  
Carrollton, GA 30117

**Contact:** Randy Pete

**Phone:** (404) 834-6469

**Product Name:** FasTran

**Hardware/Operating System Environment:** IBM compatible PC with MS-DOS 3.3 or higher (LAN compatible); IBM System 36; AS/400

**EDI Standards Supported:** X12, UCS, TDCC, WINS, VICS

### **Pricing:**

#### **Basic Package Cost:**

PC: \$2,575

System 36: \$4,700

AS/400: \$5,910 – \$7,910

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** PC: \$600; System 36 and AS/400: 15 percent of purchase price; first 3 months included in purchase price.

**Maintenance Fee Includes:** Standards updates, software enhancements, hot line

**Training Fee:** \$500 per day plus expenses on-site; \$500 per day at vendor site

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** IBM; GEIS; ORDERNET; Sears; WalMart (others upon request)

### **Vendor Experience**

**Year Company Founded:** 1972

**Date Package First Available:** 1987

**EDI Professional Staff Resources**

**Technical Staff: 4**

**Hot Line: 2**

**Total: 8**

**Miscellaneous Information:** Vendor also provides consulting services and trading partner implementation assistance.

**Programming Language Used by Package:**

**PC: RPG, Pascal**

**System 36, AS/400: RPG**

## **International Business Machines**

**Address:** 3405 West Buffalo Avenue  
Mail Drop S405A  
Tampa, FL 33630

**Contact:** Mike McElroy

**Phone:** (813) 878-4118

**Product:** Data Interchange/MVS  
Data Interchange/CICS  
PC QuickEDI  
PC QuickEDI Plus

**Hardware/Operating System Environment:** IBM mainframe 9370-3090 (MVS/TSO);  
IBM compatible AT with DOS

**EDI Standards Supported:** X12, EDIFACT, TDCC, UCS, ALAG

### **Pricing:**

#### **Basic Package Cost:**

Data Interchange/MVS:	\$18,000 – \$38,000
Data Interchange/CICS:	\$18,000 – \$38,000
PC QuickEDI:	\$1,795
PC QuickEDI Plus:	\$1,795

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

#### **Annual Maintenance Fee:**

Data Interchange/MVS:	\$761 – \$1,224
Data Interchange/CICS:	\$761 – \$1,224
PC QuickEDI:	\$730
PC QuickEDI Plus:	\$980

**Maintenance Fee Includes:** Standards updates

#### **Training Fee:**

Data Interchange/MVS:	\$1,010
Data Interchange/CICS:	\$1,010
PC QuickEDI:	Not available

**Additional Fees:** Installation may be extra.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** IBM; GEIS

**Vendor Experience**

**Year Company Founded:** 1912

**Date Package First Available:** 1989

**EDI Professional Staff Resources**

**Technical Staff:** 100

**Hot Line:** Not available

**Total:** Not available

**Miscellaneous Information:** IBM PC QuickEDI and PC QuickEDI PLUS are DOS-based PC packages for use in a stand-alone mode; they include a customized application system. Vendor provides toll-free telephone support.

**Programming Language Used by Package:** Not available

**LEK Product Marketing Company, Inc.**

**Address:** 2226 E. 117th Street  
Burnsville, MN 55337

**Contact:** Larry Kramer

**Phone:** (612) 895-0192

**Product:** EDIpl Translation Software

**Hardware/Operating System Environment:** IBM compatible AT, 386 or other hardware with Unix and Unix-equivalent operating systems, including SCO Unix, SCO Xenix, XELOS, ALTOS Unix, AIX (RS/6000)

**EDI Standards Supported:** X12, TDCC, UCS, WINS, EDIFACT

**Pricing:**

**Basic Package Cost:**

System Integrator's license: \$22,000 plus \$250 per installation (includes one standards release)

Unix site license: \$7,500 or higher depending on hardware (includes all standards)

**Additional Charge Per EDI Standard:** System Integrators: \$5,000 per standards release

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** Unix Site License or System Integrator: \$2,000 minimum or 12 percent of license and standards fee

**Maintenance Fee Includes:** Hot line, standards updates, software enhancements

**Training Fee:** Call vendor

**Additional Fees:** Vendor will customize mapping of EDI data to application database formats; typically at a cost of \$500 per transaction set.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** Network interface software is not provided but vendor will write a script to use the VAN's communications software.

**Vendor Experience**

**Year Company Founded:** 1985

**Date Package First Available:** 1988

**EDI Professional Staff Resources**

**Technical Staff:** Not available

**Hot Line:** Not available

**Total:** Not available

**Miscellaneous Information:** Vendor provides custom programming services.

**Programming Language Used by Package:** C

**Lloyd Bush, Inc.**

**Address:** 40 Broad Street  
New York, NY 10004

**Contact:** Marcy McKinley

**Phone:** (212) 809-8560

**Product:** X-Change

**Hardware/Operating System Environment:** IBM compatible XT, AT, PS/2 with MS-DOS 3.0, 10MB hard disk, 640K RAM

**EDI Standards Supported:** X12, TDCC, AIAG, TCIF, VICS, UCS

**Pricing:**

**Basic Package Cost:** \$895 (Single trading partner versions can be distributed by hubs for \$5 per copy.)

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** None

**Maintenance Fee Includes:** Software support

**Training Fee:** No training required

**Additional Fees:** Optional software upgrades available for \$75-\$100 (standards updates are included).

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** BT Tymnet; Western Union; GEIS; Control Data; ORDERNET; Sears

**Vendor Experience**

**Year Company Founded:** 1971

**Date Package First Available:** 1985

**EDI Professional Staff Resources**

**Technical Staff: 4**

**Hot Line: 3**

**Total: 7**

**Miscellaneous Information:** Vendor also provides financial consulting for municipal bonds, timesharing, and other products.

**Programming Language Used by Package: C**



**MAXXUS, Inc.<sup>1</sup>**

**Address:** 140 Second Street, Suite 603  
San Francisco, CA 94105

**Contact:** John Fountain

**Phone:** (415) 243-9690

**Product:** MAXX\*EDI-ENTRY – send/receive capability only; no application interface  
MAXX\*TRANSLATOR – requires user operation  
MAXX\*EDI – has a manager and auto scheduler

**Hardware/Operating System Environment:** IBM compatible AT, 386, 486, with MS-DOS 3.0 or higher; networking capability

**EDI Standards Supported:** X12, TDCC, EDIFACT, WINS, VICS

**Pricing:**

**Basic Package Cost:**

MAXX\*EDI-ENTRY: \$1,500 – \$2,500

MAXX\*TRANSLATOR: \$3,500 -- \$23,500

MAXX\*EDI: \$3,500 – \$23,500

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** 15 percent of software purchase price

**Maintenance Fee Includes:** Hot line, software enhancements, standards updates

**Training Fee:** \$1,500 – \$2,500, depending on package

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** BT Tymnet; IBM; AT&T; GEIS; Harbinger. (Vendor will interface to any network requested by user at no charge.)

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<sup>1</sup> An update was unavailable. The information used is from *A Guide to EDI Translation Software, 1991 Edition*.

**Vendor Experience**

**Year Company Founded:** 1986

**Date Package First Available:** 1988

**EDI Professional Staff Resources**

**Technical Staff:** Not available

**Hot Line:** Not available

**Total:** Not available

**Miscellaneous Information:** Vendor also sells EFT products including MAXX-ACH; all MAXX-products are modular and build upon one another.

**Programming Language Used by Package:** C

**MPACT EDI Systems, Inc.**

**Address:** 17197 North Laurel Park Drive  
Livonia, MI 48152

**Contact:** Don Hogan

**Phone:** (313) 462-2244

**Product:** MessageWay (includes XWAY translator and store-and-forward messaging)

**Hardware/Operating System Environment:** Tandem Non-Stop Systems

**EDI Standards Supported:** X12, TDCC, EDIFACT

**Pricing:**

**Basic Package Cost:**

\$45,000 — \$180,000 depending on the concurrent communications sessions required.

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** 18 percent of purchase price

**Maintenance Fee Includes:** Standards updates, toll-free telephone hot line, software enhancements

**Training Fee:** \$300 per day at MPACT facilities

**Additional Fees:** Many options are available; call vendor for prices.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; RAILINC; Kleinschmidt; ORDERNET; BT Tymnet

**Vendor Experience**

**Year Company Founded:** Initially founded as Merit Systems, Inc., in 1977.

**Date Package First Available:** 1987

**EDI Professional Staff Resources**

**Technical Staff: 45**

**Hot Line: 20**

**Total: 75**

**Miscellaneous Information:** Vendor also provides EDI consulting and programming services.

**Programming Language Used by Package:** C, TAL, Pathway, COBOL 85

## **Patrick Frantz Consulting**

**Address:** 204 East Jefferson Street  
Syracuse, NY 13202

**Contact:** Maryann Tracy

**Phone:** (315) 476-1564

**Product:** X-Caliber EDI

**Hardware/Operating System Environment** IBM PC, PS/2 or compatible  
PC-DOS or MS-DOS, version 3.1 or greater

**EDI Standards Supported:** X12

### **Pricing:**

**Basic Package Cost:** \$595

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$250

**Maintenance Fee Includes:** Software enhancements, standards updates, toll-free hot-line, access to bulletin board

**Training Fee:** \$800 per day plus expenses on-site

**Additional Fees:** Call vendor

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** All major VANs

### **Vendor Experience**

**Year Company Founded:** 1985

**Date Package First Available:** May 1991

**EDI Professional Staff Resources**

**Technical Staff: 3**

**Hot Line: 3**

**Total: 3**

**Miscellaneous Information: EDI consulting and seminars are also available.**

**Programming Language Used by Package: Clipper**

## **Perwill EDI, Incorporated**

**Address:** 6133 Rockside Road, Suite 402  
Independence, OH 44131

**Contact:** Bill Bromley

**Phone:** (800) 969-3341  
(216) 642-7565

**Product:** Microcomputer: ISM-EDI – A full system that can interface other packages, applications systems, and the HP3000.

Minicomputer: EDI/3000  
EDI/Unix  
EDI/AS400

**Hardware/Operating System Environment:** IBM compatible PC with MS-DOS or OS/2; AS/400; HP3000 MPE/XL; Unix systems include HP9000, HP800, NCR System 3000, Dell 325, NCR Tower, Pyramid

**EDI Standards Supported:** X12, TDCC, WINS, EDIFACT, SPEC2000

### **Pricing:**

#### **Basic Package Cost:**

ISM-EDI: \$7,000 – \$27,000  
EDI/3000: \$7,000 – \$27,000  
EDI/Unix: Up to \$27,000  
AS/400: Up to \$27,000

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** Call vendor

#### **Annual Maintenance Fee:**

Microcomputer: 18 percent of purchase price  
Minicomputer: 15 percent of purchase price

**Maintenance Fee Includes:** Hot line, software enhancements, standards updates

**Training Fee:** Available upon request

**Additional Fees: None**

**GSA/DoD Schedules or Contracts: None**

**Networks Directly Accessed: GEIS; ORDERNET; IBM; AT&T; Harbinger; Sears; BT Tymnet**

**Vendor Experience**

**Year Company Founded: 1973**

**Date Package First Available: 1986**

**EDI Professional Staff Resources**

**Technical Staff: 5**

**Hot Line: 2**

**Total: 10**

**Miscellaneous Information: Vendor will provide a 100 percent trade-in credit to customers that upgrade to a larger hardware platform.**

**Programming Language Used by Package: COBOL**



**Piedmont Systems, Inc.**

**Address:** 4400 Silas Creek Parkway, Suite 300  
Winston-Salem, NC 27104

**Contact:** Chuck Cloer

**Phone:** (919) 760-3620

**Product:** TEL-EDI  
EDI Engine – designed to be linked to application systems, but does not have an application interface

**Hardware/Operating System Environment:** TEL-EDI – IBM compatible PC with MS-DOS, SCO Unix System V, or SCO Xenix; DEC VMS (Microvax and 8000 Series)  
EDI Engine – DOS, Apple MacIntosh, OS/2

**EDI Standards Supported:** X12, TDCC

**Pricing:**

**Basic Package Cost:**

TEL-EDI: \$2,495

EDI Engine: Call vendor

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:**

TEL-EDI base: \$374.25

TEL-EDI data mapping utility: \$200

EDI Engine: Not available

**Maintenance Fee Includes:** Not available

**Training Fee:** TEL-EDI: \$600 per day plus expenses

**Additional Fees:** Data mapping utility is available for \$1,190.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; BT Tymnet; Western Union; Kleinschmidt; IBM; Sears; ORDERNET; Control Data

**Vendor Experience**

**Year Company Founded:** 1987

**Date Package First Available:**

TEL-EDI: 1987

EDI Engine: 1990

**EDI Professional Staff Resources**

**Technical Staff:** 2

**Hot Line:** 2

**Total:** 5

**Miscellaneous Information:**

**Programming Language Used by Package:**

TEL-EDI: BASIC and C

EDI Engine: C

**Premenos Corp.**

**Address:** 1000 Burnett Avenue, Suite 200  
Concord, CA 94520

**Contact:** Michael Nelson

**Phone:** (510) 602-2000

**Product:** EDI/36  
EDI/38  
EDI/400  
EDI/e

**Hardware/Operating System Environment:** IBM System 36, System 38, AS/400, RS/6000

**EDI Standards Supported:** All standards

**Pricing:**

**Basic Package Cost:**

Includes one network communications module

EDI/36: \$5,700

EDI/38: \$9,000

EDI/4XX: \$6,000 – \$22,000

EDI/e: \$15,000

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** 15 percent of purchase price

**Maintenance Fee Includes:** Standards updates, software enhancements, telephone support

**Training Fee:** \$595; classes are scheduled monthly on the East Coast, Midwest, and West Coast.

**Additional Fees:** Additional network communications modules cost \$700 – \$1,000 depending on the computer used.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; ORDERNET; IBM; Control Data; AT&T; Western Union; Kleinschmidt; TranSettlements; CompuServe; Harbinger; Agri Data; Ford; Chrysler; GM; Walmart; Sears; BT Tymnet; Sprint

**Vendor Experience**

**Year Company Founded:** 1987 (parent company formed in 1976)

**Date Package First Available:** 1987

**EDI Professional Staff Resources**

**Technical Staff:** 42

**Hot Line:** 14

**Total:** 68

**Miscellaneous Information:** Toll-free telephone support.

**Programming Language Used by Package:** RPG, C, C++

**Radley Business Computers, Inc.**

**Address:** 23077 Greenfield Road  
Southfield, MI 48075

**Contact:** John Walczy

**Phone:** (800) 334-9934  
(313) 559-6858

**Product:** Radley-EDI

**Hardware/Operating System Environment:** DEC VAX/VMS

**EDI Standards/Transaction Sets Supported:** X12, TDCC, VICS, WINS, UCS, ALAG, EDIFACT

**Pricing:**

**Basic Package Cost:** \$1,995 and up, based on number of trading partners

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** Minimum \$850, based on CPU

**Maintenance Fee Includes:** Hot line, software enhancements, standards updates

**Training Fee:** \$800 per day plus expenses

**Additional Fees:** \$600 to set up a trading partner and their transaction sets.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; IBM; Sears; Control Data; ORDERNET; Kleinschmidt; BT Tymnet

**Vendor Experience**

**Year Company Founded:** 1980

**Date Package First Available:** 1990

**EDI Professional Staff Resources**

**Technical Staff: 8**

**Hot Line: 4**

**Total: 12**

**Miscellaneous Information:**

**Programming Language Used by Package: DIBOL**

## **RF Parker Consulting**

**Address:** 815 North Broad Street  
Grove City, PA 16127

**Contact:** Richard F. Parker  
Jan W. Parker

**Phone:** (412) 458-7576

**Product Name:** APP-EDI

**Hardware/Operating System Environment:** IBM compatible PC, AT, 386 or 486 with MS-DOS 3.3 or higher; MS-Windows 3.0 or higher under the DOS Shell system and DR-DOS 5.0 or higher; PS/2 with OS/2 1.1 or higher.

**EDI Standards Supported:** X12, TDCC, EDIFACT

### **Pricing:**

#### **Basic Package Cost:**

PC base package: \$2,000

Optional non flat-file translator: \$1,500

Optional inter/intra document mapper: \$1,500

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** None. EDI standards upgrades are \$250 per version.

**Maintenance Fee Includes:** Hot line, software enhancements. (Hot-line support that exceeds 4 hours in a week, 15 hours in a month, or 80 hours for the year will be billed at \$60 per hour.)

**Training Fee:** \$500 per day plus travel and expenses; education classes are \$1,500 per day

**Additional Fees:** Custom programming at \$75 per hour

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS, Sears, TDSI, Traderoute, CompuServe

**Vendor Experience**

**Year Company Founded:** 1984

**Date Package First Available:** May 1992

**EDI Professional Staff Resources**

**Technical Staff:** 1.5

**Hot Line:** 1

**Total:** 2.5

**Miscellaneous Information:** Vendor also offers data base management, systems design, and consulting services. Translator allows import and export to and from spreadsheets, word processors, and commercially available data base products.

**Programming Language Used by Package:** C



**RMS, Inc.**

**Address:** 17187 N. Laurel Park Drive, Suite 204  
Livonia, MI 48152

**Contact:** John Bennett

**Phone:** (313) 462-1200

**Product:** RMS VLT

**Hardware/Operating System Environment:** IBM compatible PC-XT, AT, PS/2 with MS-DOS 3.1 or higher; 386 or 486 with Unix or SCO Xenix System V; DEC VAX (VMS); HP UX and HP MPE/XL; AT&T 3B2; Sequent Dynex or PTX

**EDI Standards Supported:** X12, TDCC

**Pricing:**

**Basic Package Cost:** \$2,150 – includes one communications link, one trading partner specific outgoing document format, and unlimited incoming document types

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** \$300 for outgoing transaction sets

**Annual Maintenance Fee:** \$350 for standards updates and software enhancement; \$300 for hot line

**Maintenance Fee Includes:** Hot line, standards updates, software enhancements

**Training Fee:** Vendor location: \$250; on site: \$750 plus travel and living expenses.

**Additional Fees:** Implementation services and data mapping workshops quoted at fixed bid or hourly rates.

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; BT Tymnet; IBM; ORDERNET; Trans-Settlements; RAILINC; Western Union; AT&T; CompuServe; CTX; Sears

**Vendor Experience**

**Year Company Founded:** 1982

**Date Package First Available:** 1986

**EDI Professional Staff Resources**

**Technical Staff:** 6

**Hot Line:** 7

**Total:** 22

**Miscellaneous Information:** Vendor also offers consulting services and an EDI data mapper (RMS Customizer: \$1,650) and a processor scheduler (RMS Unattended Operations: \$995).

**Programming Language Used by Package:** MicroFocus COBOL

## **Sprint**

**Address:** 1875 I Street, N.W.  
Washington, DC 20006

**Contact:** Margot Wall

**Phone:** (202) 416-6234

**Product:** InTouch\*EDI – data input screens only; no application interface  
InTouch\*EDI PLUS – includes application interface

**Hardware/Operating System Environment:** IBM compatible PC, XT, AT, PS/2 with 10MB, 640K RAM, MS-DOS 3.0 or higher

**EDI Standards Supported:** X12, TDCC, WINS, UCS, EDIFACT

### **Pricing:**

#### **Basic Package Cost:**

In Touch \*EDI – all transaction sets, network setup: Call vendor

In Touch \*EDI PLUS – above plus application interface: Call vendor

**Additional Charge Per EDI Standard:** Call vendor

**Additional Charge Per Transaction Set:** None

#### **Annual Maintenance Fee:**

InTouch\*EDI: Call vendor

InTouch\*EDI PLUS: Call vendor

**Maintenance Fee Includes:** Standards updates, software enhancements, toll-free hot line

**Training Fee:** Call vendor

**Additional Fees:** Call vendor

**GSA/DoD Schedules or Contracts:** Software is available to DoD and Government activities through GSA contract GS-00F-33102.

**Networks Directly Accessed:** Uses only Sprint network; interconnects are available to other major networks.

**Vendor Experience**

**Year Company Founded:** Not available

**Date Package First Available:** Not available

**EDI Professional Staff Resources**

**Technical Staff:** Not available

**Hot Line:** Not available

**Total:** Not available

**Miscellaneous Information:** Sprint has modified Harbinger\*EDI Services' translation software products to operate with its own EDI VAN.

**Programming Language Used by Package:** C, Btrieve

## **St. Paul Software**

**Address:** 754 Transfer Road  
St. Paul, MN 55114

**Contact:** Larry J. Haisting

**Phone:** (612) 641-0963

**Product:** Interconn – microcomputers  
Datatran – minicomputers and mainframes  
EDI/Gateway – minicomputer translator environment control

### **Hardware/Operating System Environment:**

Interconn – IBM compatible AT, 386, PS/2 with 10MB hard disk, 640K RAM  
Datatran and EDI/Gateway – IBM 4341, 4381 (DOS/VSE); all common Unix platforms including Sequent, Gould 9050, Pyramid, and AT&T 3B2  
EDI/Gateway – Call vendor. Depends on Unix platform.

**EDI Standards Supported:** X12; TDCC; ALAG; UCS; VICS; WINS; EDIFACT

### **Pricing:**

#### **Basic Package Cost:**

Interconn: \$1,995 (includes all transaction sets and the network interface for first trading partner)

Datatran: \$3,500 – \$15,000 depending on Unix platform

**Additional Charge Per EDI Standard:** Call vendor

#### **Additional Charge Per Transaction Set:**

Interconn: \$250 – \$750

Datatran: None – all transaction sets are included.

#### **Annual Maintenance Fee:**

Interconn: \$399

Datatran: Typically 15 percent of purchase price; varies according to platform.

**Maintenance Fee Includes:** Standards updates, software enhancements, telephone support

**Training Fee:** \$1,000 per day plus travel and living expenses

**Additional Fees:** Not available

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** Control Data; BT Tymnet; GEIS; IBM; CompuServe; ORDERNET; Western Union; RAILINC; Sears

**Vendor Experience**

**Year Company Founded:** 1981

**Date Package First Available:** 1985

**EDI Professional Staff Resources**

**Technical Staff:** 7

**Hot Line:** 5

**Total:** 20

**Miscellaneous Information:**

**Programming Language Used by Package:**

Interconn: MicroSoft QuickBASIC

Datatran: COBOL, C

EDI/Gateway: C

## **Sterling Software, ORDERNET Services Division**

**Address:** 4600 Lakehurst Court  
P. O. Box 7160  
Dublin, OH 43017

**Contact:** Doug Stewart, Director Mainframe Software Sales  
Dave Dodge, Vice President North American Network Sales

**Phone:** (614) 793-7000

**Product:** Translation Software:  
GENTRAN; GENTRAN Plus; GENTRAN 400; GENTRAN VAX;  
TRANSLATOR\*MVS; TRANSLATOR\*VSE; TRANSLATOR\*4XX;  
TRANSLATOR\*38; TRANSLATOR\*36; TRANSLATOR\*DG;  
GENTRAN\*PC (no application interface); GENTRAN\*PC w/Transaction  
Data File (TDF); GENTRAN\*PC w/TDF & Toolkit (data entry module)  
Communications Software:  
DOCULINK/MNP; DOCULINK/BSC; DOCULINK/400;  
DOCULINK/OS; DOCULINK/SNA

**Hardware/Operating System Environment:** All IBM- and plug-compatible mainframes running MVS or DOS/VSE; AS/400; IBM System 38; IBM System 36; DEC VAX (VMS); Data General; IBM compatible PC, XT, AT PS/2 with 10MB hard disk, 512K RAM, MS-DOS 2.0 or higher (3.1 or higher is recommended)

**EDI Standards Supported:** X12, TDCC, AIAG, VICS, UCS, WINS, EAGLE, NWDA; international standards support includes EDIFACT, TRADACOMS, ODETTE

### **Pricing:**

#### **Basic Package Cost:**

GENTRAN Plus: MVS: \$111,400 – \$139,000; DOS/VSE: \$92,000 – \$110,000  
GENTRAN MVS: \$42,000  
GENTRAN VSE: \$37,000  
GENTRAN 400: \$7,500 – \$37,500  
GENTRAN VAX: \$7,500 – \$37,500  
TRANSLATOR Plus: MVS: \$111,400 – \$139,000; DOS/VSE: \$92,000 – \$110,000  
TRANSLATOR\*MVS: \$42,000  
TRANSLATOR\*VSE: \$37,000  
TRANSLATOR\*4XX: \$7,500 – \$37,500  
TRANSLATOR\*38: \$9,800

**TRANSLATOR\*36:** \$6,000  
**TRANSLATOR\*DG:** \$12,000 – \$18,000  
**GENTRAN\*PC:** \$1,295  
**GENTRAN\*PC w/TDF:** \$1,995  
**GENTRAN\*PC w/PDF & Toolkit:** \$2,995  
**DOCULINK/MNP:** \$150  
**DOCULINK/BSC:** \$250  
**DOCULINK/400:** \$1,000  
**DOCULINK/OS:** \$1,400  
**DOCULINK/SNA:** \$3,450

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** First year free, then 15 percent of current price

**Maintenance Fee Includes:** Standards updates, hot line, software enhancements

**Training Fee:** Two days of installation and training at user site are included in mainframe products and high end of DEC and AS/400 platforms.

**Additional Fees:** Not available

**GSA/DoD Schedules or Contracts:** Most of the translation software packages are available through the GSA schedules. Contact ORDERNET for the contract type and the schedule or contract number.

**Networks Directly Accessed:** ORDERNET; Control Data; BT Tymnet; GEIS; IBM; TranSettlements; Kleinschmidt; RAILINC; Harbinger; AT&T; Infonet, Sears; Transnet; GM; Ford; Chrysler

#### **Vendor Experience**

**Year Company Founded:** 1968

**Year EDI Service First Available:** 1976

**Year EDI Software First Available:** 1987

#### **EDI Professional Staff Resources**

**Technical Staff:** Over 90

**Hot Line:** Over 50

**Total:** Over 320



**Miscellaneous Information:** Vendor recently purchased Control Data's REDINET EDI operation, including the network services and EDI software products. Vendor also offers EDI network services, value-added database services, EDI education and consulting, EDI vendor implementation programs, and communications software.

**Programming Language Used by Package:**

GENTRAN\*PC: ANSI 74 COBOL

TRANSLATOR\*36, \*38, \*4XX: RPG, ANSI 74 COBOL

TRANSLATOR\*MVS, \*DOS/VSE: ANSI 74 COBOL

GENTRAN Products: ANSI 74 COBOL, RPG

DOCULINK Products: C, RPG, ANSI 74 COBOL



## **Supply Tech, Inc.**

**Address:** 1000 Campus Drive  
Ann Arbor, MI 48104

**Contact:** Daniel M. Faletti

**Phone:** (313) 998-4044

**Product:** STX for the Microcomputer  
STX12 for the Mainframe

**Hardware/Operating System Environment:** IBM compatible XT, AT, PS/2, 386 with 640K RAM, 10MB hard disk (recommends 20MB), MS-DOS 3.0 or higher; IBM compatible mainframe (MVS and DOS/VSE)

**EDI Standards Supported:** X12, TDCC, UCS, EDIFACT

### **Pricing:**

#### **Basic Package Cost:**

STX for the Microcomputer: \$2,295

STX12 for the Mainframe: \$9,500 – \$35,000

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

#### **Annual Maintenance Fee:**

Microcomputer: \$600 – \$780

Mainframe: 15 percent of list price

**Maintenance Fee Includes:** Hot line, software enhancements, standards updates

**Training Fee:** \$495 per person per day at vendor site; \$1,595 per day plus travel expenses on-site

**Additional Fees:** Call vendor

**GSA/DoD Schedules or Contracts:** Vendor's EDI products are available to DoD activities through GSA Contract #FA00KAGS5192.

**Networks Directly Accessed:** GEIS; ORDERNET; Kleinschmidt; RAILINC; TranSettlements; Western Union; Sears; Dialcom; IBM; Telecom Canada; DATA PAC; CompuServe; AT&T; BT Tymnet; Infonet; Harbinger

**Vendor Experience**

**Year Company Founded: 1984**

**Date Package First Available: 1984**

**EDI Professional Staff Resources**

**Technical Staff: 29**

**Hot Line: 12**

**Total: 114**

**Miscellaneous Information:**

**Programming Language Used by Package: MicroFocus COBOL**

**Synergistic Systems, Inc.**

**Address:** 442 3rd Street  
Neptune Beach, FL 32211

**Contact:** Ron Meison  
Margo Noel

**Phone:** (904) 249-0201

**Product:** BIZIBOX

**Hardware/Operating System Environment:** IBM compatible PC, AT, 386, PS/2 with MS-DOS 3.3, 20MB hard disk, 1MB RAM

**EDI Standards/Transaction Sets Supported:** X12, TDCC (All transaction sets supported are "developed" on a customer request basis.)

**Pricing:**

**Basic Package Cost:**

\$1,895: Standalone system for PC or AT with one transaction set

\$8,495: Flat-file system for AT or 386, with six transaction sets

\$14,495: For 386 only, direct mapping from application data to standards, includes six transaction sets.

**Additional Charge Per EDI Standard:** \$495

**Additional Charge Per Transaction Set:** \$495

**Annual Maintenance Fee:** First 90 days are free, then 15 percent of purchase cost

**Maintenance Fee Includes:** Standards updates, software enhancements, customer support

**Training Fee:** Included in purchase price

**Additional Fees:** Not available

**Networks Directly Accessed:** IBM; Control Data; TranSettlements; GEIS; BT Tymnet; all other major networks

**Vendor Experience**

**Year Company Founded:** 1986

**Date Package First Available:** 1988

**EDI Professional Staff Resources**

**Technical Staff:** 6 (maintenance only)

**Hot Line:** 2

**Total:** 7

**Miscellaneous Information:** Vendor specializes in distributed processing for mid- to large-size computer systems.

**Programming Language Used by Package:** C

**Trinary Systems, Inc.**

**Address:** 38345 West Ten Mile Road, Suite 330  
Farmington Hills, MI 48335

**Contact:** Michelle D. Crew

**Phone:** (313) 442-8540

**Product:** EDI *WINDOWS*

**Hardware/Operating System Environment:** HP 3000 (MPE/XL); HP 9000 (UX); DEC VAX (VMS)

**EDI Standards Supported:** X12, TDCC, EDIFACT, VCS, WINS

**Pricing:**

**Basic Package Cost:**

HP 3000: \$12,000 – \$36,000

HP 9000: \$9,000 – \$27,000

DEC VAX: \$14,000 – \$35,000

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** 20 percent of software license fee; (includes hot-line support from 8:30 a.m. – 5:30 p.m. EST); 30 percent of software license fee (includes 24 hour hot-line support)

**Maintenance Fee Includes:** Hot line, software enhancements, standards updates

**Training Fee:** \$4,000 plus expenses for 4 days on-site; \$2,000 for 4 days at vendor site for one or two people.

**Additional Fees:** Not available

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** AT&T; BT Tymnet; GEIS; Harbinger; IBM; ORDERNET; RAILINC; Sears, Telecom Canada

**Vendor Experience**

**Year Company Founded: 1985**

**Date Package First Available: 1989**

**EDI Professional Staff Resources**

**Technical Staff: 5**

**Hot Line: 3**

**Total: 8**

**Miscellaneous Information:**

**Programming Language Used by Package: C, MicroFocus COBOL**



## **TSI International**

**Address:** 45 Danbury Road  
P. O. Box 840  
Wilton, CT 06897-0840

**Contact:** Ron Antini

**Phone:** (203) 761-8600

**Product:** Trading Partner

**Hardware/Operating System Environment:** IBM compatible mainframes (DOS/VSE or MVS); requires CICS

**EDI Standards Supported:** X12, TDCC, VICS, WINS, UCS, EDIFACT

### **Pricing:**

**Basic Package Cost:** \$42,000 – \$120,000

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** First year included in purchase price, then 15 percent of current list price

**Maintenance Fee Includes:** Hot line, software enhancements, standards updates

**Training Fee:** Included in purchase price.

**Additional Fees:** Call vendor

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** GEIS; IBM; ORDERNET; BT Tymnet; Kleinschmidt; RAILINC; TranSettlements; AT&T EasyLink; Sprint

### **Vendor Experience**

**Year Company Founded:** 1967

**Date Package First Available:** 1990

**EDI Professional Staff Resources**

**Technical Staff: 30**

**Hot Line: 10**

**Total: 35**

**Miscellaneous Information:** Vendor acquired Foretell Corporation in 1991. TSI also offers consulting, programming, and education services.

**Programming Language Used by Package: ANSI 74 COBOL**

## **Userbase Systems, Inc.**

**Address:** 9051 Executive Park Drive, Suite 300  
Knoxville, TN 37923

**Contact:** Gary Neubert

**Phone:** (615) 691-0823

**Product:** EDI\*Port

**Hardware/Operating System Environment:** PICK OS on Prime Computer 50 series (PRIMOS) and 7000 series (Unix); 44 different Unix platforms using uniVerse RDMS from VMARK Software, Inc., including IBM RS/6000, Sequoia, Pyramid, and HP9000.

**EDI Standards Supported:** X12, EDIFACT, AIAG, WINS, VICS

### **Pricing:**

**Basic Package Cost:** \$20,000 (includes all transaction sets and communications software)

**Additional Charge Per EDI Standard:** None

**Additional Charge Per Transaction Set:** None

**Annual Maintenance Fee:** \$3,600

**Maintenance Fee Includes:** Standards updates, software enhancements, hot line

**Training Fee:** Included if at vendor's location; if at user's location, travel and living expenses.

**Additional Fees:** None

**GSA/DoD Schedules or Contracts:** None

**Networks Directly Accessed:** All major networks

### **Vendor Experience**

**Year Company Founded:** 1985

**Date Package First Available:** 1987

**EDI Professional Staff Resources**

**Technical Staff: 4**

**Hot Line: 2**

**Total: 6**

**Miscellaneous Information:** Product was first made available to the public in January 1991.

**Programming Language Used by Package:** INFO/BASIC, BASIC, and C

## **APPENDIX D**

### **EDI TRANSLATION SOFTWARE FUNCTIONS AND FEATURES**

Table D-1 identifies 48 functions and features that could be included in an EDI translation software package for three different operating environments: stand-alone microcomputer, front-end microcomputer, minicomputer, or mainframe. Those operating environments stem from an analysis of DoD's 152 largest CONUS shipping activities that generate Government bills of lading.

TABLE D-1

## EDI TRANSLATION SOFTWARE REQUIREMENTS

Function/feature	Operating environment		
	Stand-alone	Front-end	Minicomputer/ mainframe
<b>Communications Features</b>			
Communications Software	M	M	M
Transaction Set Consolidation Routines	M	M	M
Multiple Communications Interface	O	O	O
Network Identification Table	M	M	M
Unattended Operations Capability	M	M	M
<b>Systems Utilities</b>			
Automatic Recovery/Restart Capability	M	M	M
Installation Routines	M	M	O
<b>System Interface Routines</b>			
Application System Interface	M	M	M
Data Input Screens	M	O	O
Input Editing	M	O	O
User-Defined Print Output	M	O	O
User-Definable System Interface	O	O	O
User-Defined Data Input Screens	O	O	O
<b>Customized Operations Routines</b>			
Code Conversion Capability	O	O	O
Data Element Delimiter Table	M	M	M
Functional Acknowledgment Capability	M	M	M
Multiple Header Support	M	M	M
Segment Terminator Table	M	M	M
Trading Partner Profile	O	M	M
Transaction Set Sequential Numbering	M	M	M
Version Support Table	M	M	M
<b>Editing Features</b>			
Character Conversion Capability <sup>a</sup>	O	O	O
Inbound Standards Compliance Editing	M	M	M
Internal Codes Duplication Routine	M	O	O
Outbound Standards Compliance Editing	M	M	M
Transaction Set Correction Capability	M	O	O

Note: M = mandatory; O = optional.

<sup>a</sup> Pertinent to only those sites that will use point-to-point communications with one or more trading partners.

TABLE D-1

## EDI TRANSLATION SOFTWARE REQUIREMENTS (Continued)

Function/feature	Operating environment		
	Stand-alone	Front-end	Minicomputer/ mainframe
<b>System Maintenance Routines</b>			
Automated Purging	M	M	M <sup>b</sup>
Expandability	M	M	M
Maintenance Support	M	M	M
Table-Driven Software Structure	M	M	M
Transaction Set Archiving	M	M	M
Version Support	M	M	M
<b>Report Functions</b>			
Error Reports	M	M	M
Functional Acknowledgment Reconciliation	M	M	M
Inbound Transaction Set Reporting	M	M	M
Outbound Transaction Set Reporting	M	M	M
Transmitted Characters	O	O	O
User-Defined Management Reports	O	O	O
<b>Support Features</b>			
Help Screens <sup>c</sup>	O	O	O
Technical Documentation	M	M	M
Trainings <sup>c</sup>	M	M	M
Tutorial Package <sup>c</sup>	O	O	O
User Documentation	M	M	M
User Support (Hot Lines)	M	M	M
<b>Miscellaneous Features</b>			
Compatibility with Encryption and Authentication Packages <sup>d</sup>	O	O	O
Multiple Users	O	O	O
Selective Accessibility	M	M	O
System Entry Security	M	M	O

Note: M=mandatory; O=optional.

<sup>b</sup> Operating system utilities separate from the translation software package may fulfill this requirement.

<sup>c</sup> Either training or the help screens and tutorial package are mandatory.

<sup>d</sup> When the requirements for such a feature have been fully defined, we expect this feature will be mandatory for all operating environments.

## **APPENDIX E**

### **SOFTWARE PRODUCT SURVEY RESULTS**

This appendix presents the results of a telephone survey of EDI translation software vendors. The information obtained in that survey is categorized by the type of computer hardware required by the software package: microcomputer (Table E-1), minicomputer (Table E-2), or mainframe (Table E-3). We did not request detailed information for those features that all vendors typically claim are included in their software. For example, virtually all vendors claim their software is "table driven" and includes "transaction set archiving." Instead, we focused on those features that we believe help to differentiate the various product offerings. To illustrate: although user-defined management reports are not required by any of the operating environments, we believe that feature is very useful and not offered by all vendors.



TABLE E-1. MICROCOMPUTER TRANSLATION SOFTWARE SURVEY

Company and Product		Communications Features				System Interface				Customized Operations				Editing				System Maintenance				Reports				Support Features				Miscellaneous Features			
		Unattended Operators Capability		System Data Interface		Input Editing		Multiple Header Support		Transaction Set Seq. Numbering		Version Support Table		Trading Partner Compliance Editing		Automated Piping		Transmitted Characters		User-Defined Mgt. Reports		User Support (Hot Lines)		Help Screens		System Entry Security		Selective Accessibility					
		Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No <sup>2</sup>	No	No	Yes	Yes	Yes	Yes	No	Yes <sup>3</sup>	No	Yes	No	Yes					
Advanced Communications System ACS/PC12	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No <sup>2</sup>	No	No	No	Yes	Yes	Yes	Yes	No	Yes <sup>3</sup>	No	Yes	No	Yes					
American Business Computer EDE PC	Yes	No	Yes	Yes	No	Yes	No	No	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	No <sup>2</sup>	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes					
EDI-Esc/PC and EDI-Esc/Unix	Yes	Yes	No	No	Yes <sup>5</sup>	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>7</sup>	Yes	Yes	Yes	Yes	Yes	ID and Password	Yes	Yes	Yes	Yes					
American Custom Software, Inc. Business Partner Translator (BPT)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Password	Yes	Yes	ID and Password	Yes					
The APL Group, Inc. Quoted	Yes <sup>10</sup>	Yes	Yes	Yes	Yes <sup>5</sup>	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	No <sup>2</sup>	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	ID and Password	Yes	Yes					
Baggerty & Associates "EDI*FOCUS"	Yes	Yes <sup>11</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	ID and Password	Yes					
Bell Atlantic IntelliTrade and IntelliTrade Plus	Yes	Yes	Yes <sup>13</sup>	Yes	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes <sup>14</sup>	Yes	Yes	Yes	Password	Yes	Yes	Password	Yes					
Birmingham Computer Group, Inc. DOC-U-MAP	Yes	Yes	Yes	Yes	Yes <sup>5</sup>	Yes	Yes <sup>15</sup>	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	No <sup>16</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Password	No	Yes	Password	Yes	Yes					
Blue Rainbow Software International MULTINET/PC and MULTINET/2	Yes	Yes <sup>17</sup>	Yes	Yes <sup>18</sup>	Yes <sup>5</sup>	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	No	Yes <sup>19,20</sup>	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>9</sup>	No	Yes	Yes					
CANAC Telecom Pro-EDI	Yes	Yes	Yes <sup>13</sup>	Yes	Yes <sup>4,5</sup>	Yes	Yes <sup>4</sup>	Yes	Yes <sup>4</sup>	Yes	Yes <sup>21</sup>	Yes	Yes	Yes	Yes	No <sup>19</sup>	No	No	Yes	Yes <sup>14</sup>	Yes	Yes	Password	No	Yes	ID and Password	Yes	Yes					
CAN-AM Tech Inc. E-Z Order	Yes	Yes <sup>11</sup>	Yes	Yes	Yes <sup>5</sup>	Yes	Yes	Yes	Yes	Yes	No	Yes <sup>6</sup>	Yes <sup>22</sup>	Yes <sup>23</sup>	No <sup>19</sup>	Yes	Yes	Yes	Yes <sup>14</sup>	Yes	Yes	Yes	ID and Password	No	Yes	ID and Password	Yes	Yes					
Data Dispatch Corporation EDI/SYNAPSE	Yes	Yes	Yes	Yes <sup>18,24</sup>	Yes <sup>5</sup>	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Password	Yes	Yes	ID and Password	Yes					
DIGIT Software, Inc. MacEDI	Yes	Yes	Yes	Yes	Yes <sup>5</sup>	Yes	Yes	Yes	Yes	Yes	Yes <sup>21</sup>	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	Yes					
DMS Associates, Inc. EDI Entry and EDI/Edge	Yes	Yes	Yes <sup>26</sup>	Yes	Yes <sup>5</sup>	Yes	Yes <sup>27</sup>	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	No <sup>25,28</sup>	Yes	No	Yes	Yes	Yes	Yes	ID and Password	Yes	Yes	ID and Password	Yes	Yes					

- 1 Trading partners must be set up by vendor.
- 2 Nonautomated; available via menu selection or "pull-up window."
- 3 Available for an additional fee.
- 4 May be specified for each transaction set used by a trading partner.
- 5 Supports the EDIFACT header UNA/UNB.
- 6 Data element codes are also validated.
- 7 Will sell a turnkey Informix solution (SQL or report writer) or provide interface to another system.
- 8 Parameter driven; optional.
- 9 Can be defined by the user.
- 10 Must be set up every day.
- 11 Performed by vendor.
- 12 Help messages can be defined by the user for each data element in each transaction set used by a particular trading partner.
- 13 Requires vendor assistance.
- 14 Toll-free 800 number.
- 15 Each transaction set type is not individually numbered.
- 16 Reports the number of blocks transmitted by the modem.
- 17 Maps data directly between database and EDI transaction sets. A flat-file format is available.
- 18 Compliance editing occurs after input screen has been completed.
- 19 Reports the number of transaction sets sent by each trading partner.
- 20 Interchange control checking only.
- 21 Requires a different map for each affected trading partner's transaction set.
- 22 Erroneous transactions are received and flagged in a report.

- 23 Can be deleted during review of functional acknowledgment reconciliation report or after printing a report.
- 24 Limited field-by-field editing; user can also override the standards on a field basis.
- 25 Accepts erroneous transactions. User manually determines if transaction is acceptable.
- 26 Specific data element editing requirements can be specified for each trading partner.
- 27 Only checks header controls on inbound transactions.
- 28 Checks only the interchange envelope and functional group headers; permits nonstandard transactions to be sent and received.
- 29 User-specified dates may be overridden.
- 30 Nonautomated; requires use of system editor.
- 31 Reports the number of bytes sent for each transaction set; the number of bytes per network is not reported.
- 32 BG header is not supported; TDCC is not supported.
- 33 Only once per day.
- 34 Requires dBASE 3.0 or higher.
- 35 Records are purged during the archiving process.
- 36 Requires some user intervention.
- 37 Reports the number of characters received from each network.
- 38 Will be available in the next product release.
- 39 Transaction sets are numbered only by functional group or by network.
- 40 Databases are automatically encrypted.
- 41 Interface file can be in ASCII, dBASE, or LOTUS 1-2-3 format.
- 42 Depends upon the transaction sets in use by the trading partner.
- 43 Requires knowledge of EDI standards.

TABLE E-1. MICROCOMPUTER TRANSLATION SOFTWARE SURVEY (CONTINUED)

Company and Product		Communications Features				System Interface				Customized Operations				Editing				System Maintenance				Reports				Support Features				Miscellaneous Features			
		Unattended Operations Capability		Data Input Screens		Input Editing		Multiple Header Support		Transaction Set Seq. Numbering		Version Table Support		Trading Partner		Outbound Sids		Inbound Sids		Automated Piping		Transmitted Characters		User-Derived Mgt. Reports		User Support (Hot Lines)		Help Screens		System Entry Security		Selective Accessibility	
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Dynamic Business Systems Trans-Sync	Yes	Yes	Yes	Yes <sup>18</sup>	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes <sup>4</sup>	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	Yes	Yes <sup>6</sup>	No <sup>2</sup>	No <sup>19, 31</sup>	No	Yes <sup>7</sup>	Yes <sup>14</sup>	Yes	No	Yes	Yes	Yes	No	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>		
EDA Inc. TELINK	Yes <sup>29</sup>	No	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes <sup>30</sup>	Yes	Yes <sup>30</sup>	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	Yes	Yes <sup>6</sup>	Yes	Yes	Yes	Yes	Yes <sup>14</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
EDN-ABLE FEDI	Yes	Yes	Yes <sup>9</sup>	Yes	Yes <sup>5</sup>	Yes	Yes <sup>4</sup>	Yes	Yes	Yes <sup>4</sup>	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	Yes	Yes <sup>6</sup>	Yes	Yes	Yes	Yes	Yes <sup>14</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
EDNCT Systems Formula_One	Yes	Yes <sup>3, 11</sup>	Yes	Yes <sup>18</sup>	Yes	Yes <sup>4</sup>	Yes <sup>4</sup>	Yes	Yes	Yes <sup>4</sup>	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	Yes	Yes <sup>6</sup>	Yes	No <sup>19</sup>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No		
Electronic Data Systems EDI* Asset	Yes	Yes	Yes	Yes	Yes	Yes <sup>20</sup>	Yes	Yes	Yes	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	Yes	Yes	Yes <sup>6</sup>	Yes	Yes	No	Yes <sup>14</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No		
Forsell Corp. Trading Partner PC	Yes	Yes	Yes	Yes	No <sup>32</sup>	Yes	Yes	Yes	Yes	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	Yes	Yes	Yes <sup>6</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	ID and Password	Yes	Yes		
General Electric Information Services EDIPC	Yes <sup>33</sup>	Yes <sup>34</sup>	Yes	Yes	Yes <sup>5</sup>	Yes	Yes <sup>4</sup>	No	Yes	Yes <sup>4</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	No <sup>35</sup>	Yes	No	Yes <sup>6</sup>	No <sup>19</sup>	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No		
Greco Computer Resources, Inc. EDI-Ware	Yes	Yes	Yes	No	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes <sup>4</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	No	Yes	Yes	Yes <sup>6</sup>	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No		
Harbinger*EDI Services InTouch*EDI and InTouch*EDI Plus	Yes	Yes <sup>3</sup>	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes <sup>4</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	Yes	Yes <sup>6</sup>	Yes	No	No	No	Yes <sup>14</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Integrated Telecommunications Software Corp. SDS	Yes	Yes <sup>11</sup>	Yes	Yes	Yes <sup>5</sup>	Yes	Yes <sup>4</sup>	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No		
Intracoastal Data Corp. FastTran	Yes <sup>36</sup>	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes <sup>4</sup>	Yes <sup>21</sup>	Yes	Yes <sup>21</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>37</sup>	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No		
International Business Machines PC QuickEDI and PC QuickEDI Plus	Yes	Yes	Yes	No	Yes <sup>5</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No <sup>19</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
LEX Product Marketing Company, Inc. EDipi	Yes	Yes	No	No	Yes <sup>5</sup>	Yes	Yes	Yes	Yes	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	No	Yes	Yes	Yes <sup>6</sup>	Yes	Yes	No	No	Yes	Yes	Yes	No <sup>38</sup>	No	No	No	No	No	No	No		
Lloyd Bush, Inc. X-Change	Yes	No	Yes	Yes	Yes	No <sup>39</sup>	Yes <sup>4</sup>	No	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No <sup>19</sup>	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No		

- 1 Trading partners must be set up by vendor.
- 2 Nonautomated; available via menu selection or "pull-up window."
- 3 Available for an additional fee.
- 4 May be specified for each transaction set used by a trading partner.
- 5 Supports the EDIFACT header UNA/UNB.
- 6 Data element codes are also validated.
- 7 Will sell a turnkey Informix solution (SQL or report writer) or provide interface to another system.
- 8 Parameter driven; optional.
- 9 Can be defined by the user.
- 10 Must be set up every day.
- 11 Performed by vendor.
- 12 Help messages can be defined by the user for each data element in each transaction set used by a particular trading partner.
- 13 Requires vendor assistance.
- 14 Toll-free 800 number.
- 15 Each transaction set type is not individually numbered.
- 16 Reports the number of blocks transmitted by the modem.
- 17 Maps data directly between database and EDI transaction sets. A flat-file format is available.
- 18 Compliance editing occurs after input screen has been completed.
- 19 Reports the number of transaction sets sent by each trading partner.
- 20 Interchange control checking only.
- 21 Requires a different map for each affected trading partner's transaction set.
- 22 Erroneous transactions are received and flagged in a report.

- 23 Can be deleted during review of functional acknowledgment reconciliation report or after printing a report.
- 24 Limited field-by-field editing; user can also override the standards on a field basis.
- 25 Accepts erroneous transactions. User manually determines if transaction is acceptable.
- 26 Specific data element editing requirements can be specified for each trading partner.
- 27 Only checks header controls on inbound transactions.
- 28 Checks only the interchange envelope and functional group headers; permits nonstandard transactions to be sent and received.
- 29 User-specified dates may be overridden.
- 30 Nonautomated; requires use of system editor.
- 31 Reports the number of bytes sent for each transaction set; the number of bytes per network is not reported.
- 32 BG header is not supported; TDCC is not supported.
- 33 Only once per day.
- 34 Requires dBASE 3.0 or higher.
- 35 Records are purged during the archiving process.
- 36 Requires some user intervention.
- 37 Reports the number of characters received from each network.
- 38 Will be available in the next product release.
- 39 Transaction sets are numbered only by functional group or by network.
- 40 Databases are automatically encrypted.
- 41 Interface file can be in ASCII, dBASE, or LOTUS 1-2-3 format.
- 42 Depends upon the transaction sets in use by the trading partner.
- 43 Requires knowledge of EDI standards.

TABLE E-1. MICROCOMPUTER TRANSLATION SOFTWARE SURVEY (CONTINUED)

Company and Product		Communications Features				System Interface				Customized Operations				Editing				System Maintenance				Reports		Support Features		Miscellaneous Features							
		Unattended Operations Capability		Data Input Screens		Input Editing		Multiple Header Support		Transaction Set Numbering		Version Support		Trading Partner		Compliance Editing		Inbound Sits		Automated Pacing		Transmitted Characters		User Defined Mgt. Reports		User Support (Hot Lines)		Help Screens		System Entry Security		Selective Accessibility	
MAXXUS, Inc. MAXX*EDI	Yes	Yes <sup>11</sup>	Yes	Yes	Yes <sup>5</sup>	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password <sup>40</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
MAXX*EDI-Entry	No	No	Yes	Yes	Yes <sup>5</sup>	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password <sup>40</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
MAXX*TRANSLATOR	No	Yes <sup>11</sup>	Yes	Yes	Yes <sup>5</sup>	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password <sup>40</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Perich Franz Consulting X-Caliber EDI	Yes	Yes <sup>41</sup>	No	No	No <sup>32</sup>	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>35</sup>	No	Yes	Yes	Yes	Yes	Yes <sup>14</sup>	Yes	ID and Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Perich EDI Incorporated ISM-EDI	Yes	Yes	Yes	Yes <sup>18</sup>	Yes <sup>5</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Pradmont Systems, Inc. TEL EDI and EDI Engine	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes <sup>21</sup>	Yes	Yes	Yes	Yes	Yes	No <sup>19</sup>	Yes	Yes	No	Yes	Yes	No	Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
RF Parker Consulting APP-EDI	Yes	Yes <sup>3</sup>	Yes <sup>9</sup>	Yes <sup>18</sup>	Yes <sup>5</sup>	Yes <sup>4</sup>	Yes <sup>5</sup>	Yes	Yes <sup>4</sup>	Yes	Yes	Yes <sup>6,22, 25</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes <sup>23</sup>	No <sup>19</sup>	Yes	Yes	Yes	Yes	Yes	ID and Password	Yes <sup>3</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
RMS, Inc. RMS VLT	Yes	Yes <sup>3</sup>	Yes	Yes <sup>26</sup>	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes <sup>26</sup>	Yes	Yes	Yes	Yes	No <sup>2</sup>	No	Yes	No	No	Yes	Yes	ID and Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Sprint InTouch*EDI and InTouch*EDI Plus	Yes	Yes <sup>3</sup>	Yes	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes <sup>6,25</sup>	Yes <sup>6</sup>	Yes	Yes	No	Yes	No	No	Yes <sup>14</sup>	Yes	Yes	Encrypted Passwords	No	No	Yes	Yes	Yes	Yes	No			
St. Paul Software Interconn	Yes	Yes	Yes	Yes	Yes <sup>5</sup>	Yes <sup>4</sup>	Yes	Yes <sup>4</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Password	No	No	Yes	Yes	Yes	Yes	Yes	Yes			
Starling Software GENTRAN*PC	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	No	Yes <sup>6</sup>	Yes <sup>6,25</sup>	Yes <sup>6</sup>	Yes	Yes	No <sup>19</sup>	Yes	No	No	Yes <sup>14</sup>	Yes	ID and Password	No	Yes	Yes	Yes	Yes	Yes	Yes	No			
GENTRAN*PC w/TDF	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	No	Yes <sup>6</sup>	Yes <sup>6,25</sup>	Yes <sup>6</sup>	Yes	Yes	No <sup>19</sup>	Yes	No	No	Yes <sup>14</sup>	Yes	ID and Password	No	Yes	Yes	Yes	Yes	Yes	Yes	No			
GENTRAN*PC w/TDF & Toolkit	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes	Yes <sup>6</sup>	Yes <sup>6,25</sup>	Yes <sup>6</sup>	Yes	Yes	No <sup>19</sup>	Yes	No	No	Yes <sup>14</sup>	Yes	ID and Password	No	Yes	Yes	Yes	Yes	Yes	Yes	No			
Supply Tech, Inc. STX	Yes	No	Yes	Yes <sup>26, 28</sup>	Yes	Yes <sup>4</sup>	Yes	Yes <sup>4</sup>	Yes	Yes <sup>42</sup>	No	Yes <sup>26, 28</sup>	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>9</sup>	Yes	Yes	Yes	No	No		
Synovate Systems, Inc. BI2/BOX	Yes	Yes	Yes	Yes	Yes	Yes <sup>4</sup>	Yes	Yes <sup>4</sup>	Yes	Yes <sup>43</sup>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No		

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Communications Features				System Interface				Customized Operations				Editing				System Maintenance				Reports		Support Features		Miscellaneous Features																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Unattended Operations Capability				Multiple Header Support				Trading Partner Profile				Compliance Editing				Automated Purg				Transmitted Characters				User-Defined Mgt. Reports		User Support (Hot Lines)		Help Screens		System Entry Security		Selective Accessibility																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Yes	No	N/A	N/A	No <sup>1</sup>	Yes <sup>2</sup>	Yes <sup>3</sup>	Yes <sup>4</sup>	Yes <sup>5</sup>	Yes <sup>6</sup>	Yes <sup>7</sup>	Yes <sup>8</sup>	Yes <sup>9</sup>	Yes <sup>10</sup>	Yes <sup>11</sup>	Yes <sup>12</sup>	Yes <sup>13</sup>	Yes <sup>14</sup>	Yes <sup>15</sup>	Yes <sup>16</sup>	Yes <sup>17</sup>	Yes <sup>18</sup>	Yes <sup>19</sup>	Yes <sup>20</sup>	Yes <sup>21</sup>	Yes <sup>22</sup>	Yes <sup>23</sup>	Yes <sup>24</sup>	Yes <sup>25</sup>	Yes <sup>26</sup>	Yes <sup>27</sup>	Yes <sup>28</sup>	Yes <sup>29</sup>	Yes <sup>30</sup>	Yes <sup>31</sup>	Yes <sup>32</sup>	Yes <sup>33</sup>	Yes <sup>34</sup>	Yes <sup>35</sup>	Yes <sup>36</sup>	Yes <sup>37</sup>	Yes <sup>38</sup>	Yes <sup>39</sup>	Yes <sup>40</sup>	Yes <sup>41</sup>	Yes <sup>42</sup>	Yes <sup>43</sup>	Yes <sup>44</sup>	Yes <sup>45</sup>	Yes <sup>46</sup>	Yes <sup>47</sup>	Yes <sup>48</sup>	Yes <sup>49</sup>	Yes <sup>50</sup>	Yes <sup>51</sup>	Yes <sup>52</sup>	Yes <sup>53</sup>	Yes <sup>54</sup>	Yes <sup>55</sup>	Yes <sup>56</sup>	Yes <sup>57</sup>	Yes <sup>58</sup>	Yes <sup>59</sup>	Yes <sup>60</sup>	Yes <sup>61</sup>	Yes <sup>62</sup>	Yes <sup>63</sup>	Yes <sup>64</sup>	Yes <sup>65</sup>	Yes <sup>66</sup>	Yes <sup>67</sup>	Yes <sup>68</sup>	Yes <sup>69</sup>	Yes <sup>70</sup>	Yes <sup>71</sup>	Yes <sup>72</sup>	Yes <sup>73</sup>	Yes <sup>74</sup>	Yes <sup>75</sup>	Yes <sup>76</sup>	Yes <sup>77</sup>	Yes <sup>78</sup>	Yes <sup>79</sup>	Yes <sup>80</sup>	Yes <sup>81</sup>	Yes <sup>82</sup>	Yes <sup>83</sup>	Yes <sup>84</sup>	Yes <sup>85</sup>	Yes <sup>86</sup>	Yes <sup>87</sup>	Yes <sup>88</sup>	Yes <sup>89</sup>	Yes <sup>90</sup>	Yes <sup>91</sup>	Yes <sup>92</sup>	Yes <sup>93</sup>	Yes <sup>94</sup>	Yes <sup>95</sup>	Yes <sup>96</sup>	Yes <sup>97</sup>	Yes <sup>98</sup>	Yes <sup>99</sup>	Yes <sup>100</sup>	Yes <sup>101</sup>	Yes <sup>102</sup>	Yes <sup>103</sup>	Yes <sup>104</sup>	Yes <sup>105</sup>	Yes <sup>106</sup>	Yes <sup>107</sup>	Yes <sup>108</sup>	Yes <sup>109</sup>	Yes <sup>110</sup>	Yes <sup>111</sup>	Yes <sup>112</sup>	Yes <sup>113</sup>	Yes <sup>114</sup>	Yes <sup>115</sup>	Yes <sup>116</sup>	Yes <sup>117</sup>	Yes <sup>118</sup>	Yes <sup>119</sup>	Yes <sup>120</sup>	Yes <sup>121</sup>	Yes <sup>122</sup>	Yes <sup>123</sup>	Yes <sup>124</sup>	Yes <sup>125</sup>	Yes <sup>126</sup>	Yes <sup>127</sup>	Yes <sup>128</sup>	Yes <sup>129</sup>	Yes <sup>130</sup>	Yes <sup>131</sup>	Yes <sup>132</sup>	Yes <sup>133</sup>	Yes <sup>134</sup>	Yes <sup>135</sup>	Yes <sup>136</sup>	Yes <sup>137</sup>	Yes <sup>138</sup>	Yes <sup>139</sup>	Yes <sup>140</sup>	Yes <sup>141</sup>	Yes <sup>142</sup>	Yes <sup>143</sup>	Yes <sup>144</sup>	Yes <sup>145</sup>	Yes <sup>146</sup>	Yes <sup>147</sup>	Yes <sup>148</sup>	Yes <sup>149</sup>	Yes <sup>150</sup>	Yes <sup>151</sup>	Yes <sup>152</sup>	Yes <sup>153</sup>	Yes <sup>154</sup>	Yes <sup>155</sup>	Yes <sup>156</sup>	Yes <sup>157</sup>	Yes <sup>158</sup>	Yes <sup>159</sup>	Yes <sup>160</sup>	Yes <sup>161</sup>	Yes <sup>162</sup>	Yes <sup>163</sup>	Yes <sup>164</sup>	Yes <sup>165</sup>	Yes <sup>166</sup>	Yes <sup>167</sup>	Yes <sup>168</sup>	Yes <sup>169</sup>	Yes <sup>170</sup>	Yes <sup>171</sup>	Yes <sup>172</sup>	Yes <sup>173</sup>	Yes <sup>174</sup>	Yes <sup>175</sup>	Yes <sup>176</sup>	Yes <sup>177</sup>	Yes <sup>178</sup>	Yes <sup>179</sup>	Yes <sup>180</sup>	Yes <sup>181</sup>	Yes <sup>182</sup>	Yes <sup>183</sup>	Yes <sup>184</sup>	Yes <sup>185</sup>	Yes <sup>186</sup>	Yes <sup>187</sup>	Yes <sup>188</sup>	Yes <sup>189</sup>	Yes <sup>190</sup>	Yes <sup>191</sup>	Yes <sup>192</sup>	Yes <sup>193</sup>	Yes <sup>194</sup>	Yes <sup>195</sup>	Yes <sup>196</sup>	Yes <sup>197</sup>	Yes <sup>198</sup>	Yes <sup>199</sup>	Yes <sup>200</sup>	Yes <sup>201</sup>	Yes <sup>202</sup>	Yes <sup>203</sup>	Yes <sup>204</sup>	Yes <sup>205</sup>	Yes <sup>206</sup>	Yes <sup>207</sup>	Yes <sup>208</sup>	Yes <sup>209</sup>	Yes <sup>210</sup>	Yes <sup>211</sup>	Yes <sup>212</sup>	Yes <sup>213</sup>	Yes <sup>214</sup>	Yes <sup>215</sup>	Yes <sup>216</sup>	Yes <sup>217</sup>	Yes <sup>218</sup>	Yes <sup>219</sup>	Yes <sup>220</sup>	Yes <sup>221</sup>	Yes <sup>222</sup>	Yes <sup>223</sup>	Yes <sup>224</sup>	Yes <sup>225</sup>	Yes <sup>226</sup>	Yes <sup>227</sup>	Yes <sup>228</sup>	Yes <sup>229</sup>	Yes <sup>230</sup>	Yes <sup>231</sup>	Yes <sup>232</sup>	Yes <sup>233</sup>	Yes <sup>234</sup>	Yes <sup>235</sup>	Yes <sup>236</sup>	Yes <sup>237</sup>	Yes <sup>238</sup>	Yes <sup>239</sup>	Yes <sup>240</sup>	Yes <sup>241</sup>	Yes <sup>242</sup>	Yes <sup>243</sup>	Yes <sup>244</sup>	Yes <sup>245</sup>	Yes <sup>246</sup>	Yes <sup>247</sup>	Yes <sup>248</sup>	Yes <sup>249</sup>	Yes <sup>250</sup>	Yes <sup>251</sup>	Yes <sup>252</sup>	Yes <sup>253</sup>	Yes <sup>254</sup>	Yes <sup>255</sup>	Yes <sup>256</sup>	Yes <sup>257</sup>	Yes <sup>258</sup>	Yes <sup>259</sup>	Yes <sup>260</sup>	Yes <sup>261</sup>	Yes <sup>262</sup>	Yes <sup>263</sup>	Yes <sup>264</sup>	Yes <sup>265</sup>	Yes <sup>266</sup>	Yes <sup>267</sup>	Yes <sup>268</sup>	Yes <sup>269</sup>	Yes <sup>270</sup>	Yes <sup>271</sup>	Yes <sup>272</sup>	Yes <sup>273</sup>	Yes <sup>274</sup>	Yes <sup>275</sup>	Yes <sup>276</sup>	Yes <sup>277</sup>	Yes <sup>278</sup>	Yes <sup>279</sup>	Yes <sup>280</sup>	Yes <sup>281</sup>	Yes <sup>282</sup>	Yes <sup>283</sup>	Yes <sup>284</sup>	Yes <sup>285</sup>	Yes <sup>286</sup>	Yes <sup>287</sup>	Yes <sup>288</sup>	Yes <sup>289</sup>	Yes <sup>290</sup>	Yes <sup>291</sup>	Yes <sup>292</sup>	Yes <sup>293</sup>	Yes <sup>294</sup>	Yes <sup>295</sup>	Yes <sup>296</sup>	Yes <sup>297</sup>	Yes <sup>298</sup>	Yes <sup>299</sup>	Yes <sup>300</sup>	Yes <sup>301</sup>	Yes <sup>302</sup>	Yes <sup>303</sup>	Yes <sup>304</sup>	Yes <sup>305</sup>	Yes <sup>306</sup>	Yes <sup>307</sup>	Yes <sup>308</sup>	Yes <sup>309</sup>	Yes <sup>310</sup>	Yes <sup>311</sup>	Yes <sup>312</sup>	Yes <sup>313</sup>	Yes <sup>314</sup>	Yes <sup>315</sup>	Yes <sup>316</sup>	Yes <sup>317</sup>	Yes <sup>318</sup>	Yes <sup>319</sup>	Yes <sup>320</sup>	Yes <sup>321</sup>	Yes <sup>322</sup>	Yes <sup>323</sup>	Yes <sup>324</sup>	Yes <sup>325</sup>	Yes <sup>326</sup>	Yes <sup>327</sup>	Yes <sup>328</sup>	Yes <sup>329</sup>	Yes <sup>330</sup>	Yes <sup>331</sup>	Yes <sup>332</sup>	Yes <sup>333</sup>	Yes <sup>334</sup>	Yes <sup>335</sup>	Yes <sup>336</sup>	Yes <sup>337</sup>	Yes <sup>338</sup>	Yes <sup>339</sup>	Yes <sup>340</sup>	Yes <sup>341</sup>	Yes <sup>342</sup>	Yes <sup>343</sup>	Yes <sup>344</sup>	Yes <sup>345</sup>	Yes <sup>346</sup>	Yes <sup>347</sup>	Yes <sup>348</sup>	Yes <sup>349</sup>	Yes <sup>350</sup>	Yes <sup>351</sup>	Yes <sup>352</sup>	Yes <sup>353</sup>	Yes <sup>354</sup>	Yes <sup>355</sup>	Yes <sup>356</sup>	Yes <sup>357</sup>	Yes <sup>358</sup>	Yes <sup>359</sup>	Yes <sup>360</sup>	Yes <sup>361</sup>	Yes <sup>362</sup>	Yes <sup>363</sup>	Yes <sup>364</sup>	Yes <sup>365</sup>	Yes <sup>366</sup>	Yes <sup>367</sup>	Yes <sup>368</sup>	Yes <sup>369</sup>	Yes <sup>370</sup>	Yes <sup>371</sup>	Yes <sup>372</sup>	Yes <sup>373</sup>	Yes <sup>374</sup>	Yes <sup>375</sup>	Yes <sup>376</sup>	Yes <sup>377</sup>	Yes <sup>378</sup>	Yes <sup>379</sup>	Yes <sup>380</sup>	Yes <sup>381</sup>	Yes <sup>382</sup>	Yes <sup>383</sup>	Yes <sup>384</sup>	Yes <sup>385</sup>	Yes <sup>386</sup>	Yes <sup>387</sup>	Yes <sup>388</sup>	Yes <sup>389</sup>	Yes <sup>390</sup>	Yes <sup>391</sup>	Yes <sup>392</sup>	Yes <sup>393</sup>	Yes <sup>394</sup>	Yes <sup>395</sup>	Yes <sup>396</sup>	Yes <sup>397</sup>	Yes <sup>398</sup>	Yes <sup>399</sup>	Yes <sup>400</sup>	Yes <sup>401</sup>	Yes <sup>402</sup>	Yes <sup>403</sup>	Yes <sup>404</sup>	Yes <sup>405</sup>	Yes <sup>406</sup>	Yes <sup>407</sup>	Yes <sup>408</sup>	Yes <sup>409</sup>	Yes <sup>410</sup>	Yes <sup>411</sup>	Yes <sup>412</sup>	Yes <sup>413</sup>	Yes <sup>414</sup>	Yes <sup>415</sup>	Yes <sup>416</sup>	Yes <sup>417</sup>	Yes <sup>418</sup>	Yes <sup>419</sup>	Yes <sup>420</sup>	Yes <sup>421</sup>	Yes <sup>422</sup>	Yes <sup>423</sup>	Yes <sup>424</sup>	Yes <sup>425</sup>	Yes <sup>426</sup>	Yes <sup>427</sup>	Yes <sup>428</sup>	Yes <sup>429</sup>	Yes <sup>430</sup>	Yes <sup>431</sup>	Yes <sup>432</sup>	Yes <sup>433</sup>	Yes <sup>434</sup>	Yes <sup>435</sup>	Yes <sup>436</sup>	Yes <sup>437</sup>	Yes <sup>438</sup>	Yes <sup>439</sup>	Yes <sup>440</sup>	Yes <sup>441</sup>	Yes <sup>442</sup>	Yes <sup>443</sup>	Yes <sup>444</sup>	Yes <sup>445</sup>	Yes <sup>446</sup>	Yes <sup>447</sup>	Yes <sup>448</sup>	Yes <sup>449</sup>	Yes <sup>450</sup>	Yes <sup>451</sup>	Yes <sup>452</sup>	Yes <sup>453</sup>	Yes <sup>454</sup>	Yes <sup>455</sup>	Yes <sup>456</sup>	Yes <sup>457</sup>	Yes <sup>458</sup>	Yes <sup>459</sup>	Yes <sup>460</sup>	Yes <sup>461</sup>	Yes <sup>462</sup>	Yes <sup>463</sup>	Yes <sup>464</sup>	Yes <sup>465</sup>	Yes <sup>466</sup>	Yes <sup>467</sup>	Yes <sup>468</sup>	Yes <sup>469</sup>	Yes <sup>470</sup>	Yes <sup>471</sup>	Yes <sup>472</sup>	Yes <sup>473</sup>	Yes <sup>474</sup>	Yes <sup>475</sup>	Yes <sup>476</sup>	Yes <sup>477</sup>	Yes <sup>478</sup>	Yes <sup>479</sup>	Yes <sup>480</sup>	Yes <sup>481</sup>	Yes <sup>482</sup>	Yes <sup>483</sup>	Yes <sup>484</sup>	Yes <sup>485</sup>	Yes <sup>486</sup>	Yes <sup>487</sup>	Yes <sup>488</sup>	Yes <sup>489</sup>	Yes <sup>490</sup>	Yes <sup>491</sup>	Yes <sup>492</sup>	Yes <sup>493</sup>	Yes <sup>494</sup>	Yes <sup>495</sup>	Yes <sup>496</sup>	Yes <sup>497</sup>	Yes <sup>498</sup>	Yes <sup>499</sup>	Yes <sup>500</sup>	Yes <sup>501</sup>	Yes <sup>502</sup>	Yes <sup>503</sup>	Yes <sup>504</sup>	Yes <sup>505</sup>	Yes <sup>506</sup>	Yes <sup>507</sup>	Yes <sup>508</sup>	Yes <sup>509</sup>	Yes <sup>510</sup>	Yes <sup>511</sup>	Yes <sup>512</sup>	Yes <sup>513</sup>	Yes <sup>514</sup>	Yes <sup>515</sup>	Yes <sup>516</sup>	Yes <sup>517</sup>	Yes <sup>518</sup>	Yes <sup>519</sup>	Yes <sup>520</sup>	Yes <sup>521</sup>	Yes <sup>522</sup>	Yes <sup>523</sup>	Yes <sup>524</sup>	Yes <sup>525</sup>	Yes <sup>526</sup>	Yes <sup>527</sup>	Yes <sup>528</sup>	Yes <sup>529</sup>	Yes <sup>530</sup>	Yes <sup>531</sup>	Yes <sup>532</sup>	Yes <sup>533</sup>	Yes <sup>534</sup>	Yes <sup>535</sup>	Yes <sup>536</sup>	Yes <sup>537</sup>	Yes <sup>538</sup>	Yes <sup>539</sup>	Yes <sup>540</sup>	Yes <sup>541</sup>	Yes <sup>542</sup>	Yes <sup>543</sup>	Yes <sup>544</sup>	Yes <sup>545</sup>	Yes <sup>546</sup>	Yes <sup>547</sup>	Yes <sup>548</sup>	Yes <sup>549</sup>	Yes <sup>550</sup>	Yes <sup>551</sup>	Yes <sup>552</sup>	Yes <sup>553</sup>	Yes <sup>554</sup>	Yes <sup>555</sup>	Yes <sup>556</sup>	Yes <sup>557</sup>	Yes <sup>558</sup>	Yes <sup>559</sup>	Yes <sup>560</sup>	Yes <sup>561</sup>	Yes <sup>562</sup>	Yes <sup>563</sup>	Yes <sup>564</sup>	Yes <sup>565</sup>	Yes <sup>566</sup>	Yes <sup>567</sup>	Yes <sup>568</sup>	Yes <sup>569</sup>	Yes <sup>570</sup>	Yes <sup>571</sup>	Yes <sup>572</sup>	Yes <sup>573</sup>	Yes <sup>574</sup>	Yes <sup>575</sup>	Yes <sup>576</sup>	Yes <sup>577</sup>	Yes <sup>578</sup>	Yes <sup>579</sup>	Yes <sup>580</sup>	Yes <sup>581</sup>	Yes <sup>582</sup>	Yes <sup>583</sup>	Yes <sup>584</sup>	Yes <sup>585</sup>	Yes <sup>586</sup>	Yes <sup>587</sup>	Yes <sup>588</sup>	Yes <sup>589</sup>	Yes <sup>590</sup>	Yes <sup>591</sup>	Yes <sup>592</sup>	Yes <sup>593</sup>	Yes <sup>594</sup>	Yes <sup>595</sup>	Yes <sup>596</sup>	Yes <sup>597</sup>	Yes <sup>598</sup>	Yes <sup>599</sup>	Yes <sup>600</sup>	Yes <sup>601</sup>	Yes <sup>602</sup>	Yes <sup>603</sup>	Yes <sup>604</sup>	Yes <sup>605</sup>	Yes <sup>606</sup>	Yes <sup>607</sup>	Yes <sup>608</sup>	Yes <sup>609</sup>	Yes <sup>610</sup>	Yes <sup>611</sup>	Yes <sup>612</sup>	Yes <sup>613</sup>	Yes <sup>614</sup>	Yes <sup>615</sup>	Yes <sup>616</sup>	Yes <sup>617</sup>	Yes <sup>618</sup>	Yes <sup>619</sup>	Yes <sup>620</sup>	Yes <sup>621</sup>	Yes <sup>622</sup>	Yes <sup>623</sup>	Yes <sup>624</sup>	Yes <sup>625</sup>	Yes <sup>626</sup>	Yes <sup>627</sup>	Yes <sup>628</sup>	Yes <sup>629</sup>	Yes <sup>630</sup>	Yes <sup>631</sup>	Yes <sup>632</sup>	Yes <sup>633</sup>	Yes <sup>634</sup>	Yes <sup>635</sup>	Yes <sup>636</sup>	Yes <sup>637</sup>	Yes <sup>638</sup>	Yes <sup>639</sup>	Yes <sup>640</sup>	Yes <sup>641</sup>	Yes <sup>642</sup>	Yes <sup>643</sup>	Yes <sup>644</sup>	Yes <sup>645</sup>	Yes <sup>646</sup>	Yes <sup>647</sup>	Yes <sup>648</sup>	Yes <sup>649</sup>	Yes <sup>650</sup>	Yes <sup>651</sup>	Yes <sup>652</sup>	Yes <sup>653</sup>	Yes <sup>654</sup>	Yes <sup>655</sup>	Yes <sup>656</sup>	Yes <sup>657</sup>	Yes <sup>658</sup>	Yes <sup>659</sup>	Yes <sup>660</sup>	Yes <sup>661</sup>	Yes <sup>662</sup>	Yes <sup>663</sup>	Yes <sup>664</sup>	Yes <sup>665</sup>	Yes <sup>666</sup>	Yes <sup>667</sup>	Yes <sup>668</sup>	Yes <sup>669</sup>	Yes <sup>670</sup>	Yes <sup>671</sup>	Yes <sup>672</sup>	Yes <sup>673</sup>	Yes <sup>674</sup>	Yes <sup>675</sup>	Yes <sup>676</sup>	Yes <sup>677</sup>	Yes <sup>678</sup>	Yes <sup>679</sup>	Yes <sup>680</sup>	Yes <sup>681</sup>	Yes <sup>682</sup>	Yes <sup>683</sup>	Yes <sup>684</sup>	Yes <sup>685</sup>	Yes <sup>686</sup>	Yes <sup>687</sup>	Yes <sup>688</sup>	Yes <sup>689</sup>	Yes <sup>690</sup>	Yes <sup>691</sup>	Yes <sup>692</sup>	Yes <sup>693</sup>	Yes <sup>694</sup>	Yes <sup>695</sup>	Yes <sup>696</sup>	Yes <sup>697</sup>	Yes <sup>698</sup>	Yes <sup>699</sup>	Yes <sup>700</sup>	Yes <sup>701</sup>	Yes <sup>702</sup>	Yes <sup>703</sup>	Yes <sup>704</sup>	Yes <sup>705</sup>	Yes <sup>706</sup>	Yes <sup>707</sup>	Yes <sup>708</sup>	Yes <sup>709</sup>	Yes <sup>710</sup>	Yes <sup>711</sup>	Yes <sup>712</sup>	Yes <sup>713</sup>	Yes <sup>714</sup>	Yes <sup>715</sup>	Yes <sup>716</sup>	Yes <sup>717</sup>	Yes <sup>718</sup>	Yes <sup>719</sup>	Yes <sup>720</sup>	Yes <sup>721</sup>	Yes <sup>722</sup>	Yes <sup>723</sup>	Yes <sup>724</sup>	Yes <sup>725</sup>	Yes <sup>726</sup>	Yes <sup>727</sup>	Yes <sup>728</sup>	Yes <sup>729</sup>	Yes <sup>730</sup>	Yes <sup>731</sup>	Yes <sup>732</sup>	Yes <sup>733</sup>	Yes <sup>734</sup>	Yes <sup>735</sup>	Yes <sup>736</sup>	Yes <sup>737</sup>	Yes <sup>738</sup>	Yes <sup>739</sup>	Yes <sup>740</sup>	Yes <sup>741</sup>	Yes <sup>742</sup>	Yes <sup>743</sup>	Yes <sup>744</sup>	Yes <sup>745</sup>	Yes <sup>746</sup>	Yes <sup>747</sup>	Yes <sup>748</sup>	Yes <sup>749</sup>	Yes <sup>750</sup>	Yes <sup>751</sup>	Yes <sup>752</sup>	Yes <sup>753</sup>	Yes <sup>754</sup>	Yes <sup>755</sup>	Yes <sup>756</sup>	Yes <sup>757</sup>	Yes <sup>758</sup>	Yes <sup>759</sup>	Yes <sup>760</sup>	Yes <sup>761</sup>	Yes <sup>762</sup>	Yes <sup>763</sup>	Yes <sup>764</sup>	Yes <sup>765</sup>	Yes <sup>766</sup>	Yes <sup>767</sup>	Yes <sup>768</sup>	Yes <sup>769</sup>	Yes <sup>770</sup>	Yes <sup>771</sup>	Yes <sup>772</sup>	Yes <sup>773</sup>	Yes <sup>774</sup>	Yes <sup>775</sup>	Yes <sup>776</sup>	Yes <sup>777</sup>	Yes <sup>778</sup>	Yes <sup>779</sup>	Yes <sup>780</sup>	Yes <sup>781</sup>	Yes <sup>782</sup>	Yes <sup>783</sup>	Yes <sup>784</sup>	Yes <sup>785</sup>	Yes <sup>786</sup>	Yes <sup>787</sup>	Yes <sup>788</sup>	Yes <sup>789</sup>	Yes <sup>790</sup>	Yes <sup>791</sup>	Yes <sup>792</sup>	Yes <sup>793</sup>	Yes <sup>794</sup>	Yes <sup>795</sup>	Yes <sup>796</sup>	Yes <sup>797</sup>	Yes <sup>798</sup>	Yes <sup>799</sup>	Yes <sup>800</sup>	Yes <sup>801</sup>	Yes <sup>802</sup>	Yes <sup>803</sup>	Yes <sup>804</sup>	Yes <sup>805</sup>	Yes <sup>806</sup>	Yes <sup>807</sup>	Yes <sup>808</sup>	Yes <sup>809</sup>	Yes <sup>810</sup>	Yes <sup>811</sup>	Yes <sup>812</sup>	Yes <sup>813</sup>	Yes <sup>814</sup>	Yes <sup>815</sup>	Yes <sup>816</sup>	Yes <sup>817</sup>	Yes <sup>818</sup>	Yes <sup>819</sup>	Yes <sup>820</sup>	Yes <sup>821</sup>	Yes <sup>822</sup>	Yes <sup>823</sup>	Yes <sup>824</sup>	Yes <sup>825</sup>	Yes <sup>826</sup>	Yes <sup>827</sup>	Yes <sup>828</sup>	Yes <sup>829</sup>	Yes <sup>830</sup>	Yes <sup>831</sup>	Yes <sup>832</sup>	Yes <sup>833</sup>	Yes <sup>834</sup>	Yes <sup>835</sup>	Yes <sup>836</sup>	Yes <sup>837</sup>	Yes <sup>838</sup>	Yes <sup>839</sup>	Yes <sup>840</sup>	Yes <sup>841</sup>	Yes <sup>842</sup>	Yes <sup>843</sup>	Yes <sup>844</sup>	Yes <sup>845</sup>	Yes <sup>846</sup>	Yes <sup>847</sup>	Yes <sup>848</sup>	Yes <sup>849</sup>	Yes <sup>850</sup>	Yes <sup>851</sup>	Yes <sup>852</sup>	Yes <sup>853</sup>	Yes <sup>854</sup>	Yes <sup>855</sup>	Yes <sup>856</sup>	Yes <sup>857</sup>	Yes <sup>858</sup>	Yes <sup>859</sup>	Yes <sup>860</sup>	Yes <sup>861</sup>	Yes <sup>862</sup>	Yes <sup>863</sup>	Yes <sup>864</sup>	Yes <sup>865</sup>	Yes <sup>866</sup>	Yes <sup>867</sup>	Yes <sup>868</sup>	Yes <sup>869</sup>	Yes <sup>870</sup>	Yes <sup>871</sup>	Yes <sup>872</sup>	Yes <sup>873</sup>	Yes <sup>874</sup> </

- 1 BG header is not supported; TDCC is not supported.
  - 2 Supports the EDIFACT header UNA/UNB.
  - 3 May be specified for each transaction set used by a trading partner.
  - 4 Requires vendor assistance.
  - 5 Data element codes are also validated.
  - 6 Will provide interface to another database or sell user a turnkey Informix solution (SQL or report writer).
  - 7 Nonautomated; available via menu selection or "pull-up window."
  - 8 Compliance editing occurs after input screen has been completed.
  - 9 Only available on the HP3000.
  - 10 Maps data directly between database and EDI transaction sets. A flat-file format is available.
  - 11 User may add or delete codes for each trading partner.
  - 12 Reports the number of transaction sets sent by each trading partner.
  - 13 Reports the number of bytes sent for each transaction set; the number of bytes per network is not reported.
  - 14 Can be customized by user.
  - 15 A shell written in COBOL is provided; programmer must complete the PROCEDURE division.
  - 16 Source code for menus and reports is provided.
  - 17 Requires a report writer.
  - 18 Toll-free 800 telephone number.
- 
- 19 Requires a different map for each affected trading partner's transaction set.
  - 20 Available for an additional fee.
  - 21 Only checks header controls on inbound transactions.
  - 22 User-specified dates may be overridden.
  - 23 Nonautomated; requires use of system editor.
  - 24 "Batch" mode only.
  - 25 Requires purchase of data mapping product (EDImap).
  - 26 Requires some user intervention.
  - 27 Reports the number of characters received from each EDI VAN.
  - 28 Only once per day.
  - 29 Available upon user request. Limited screens are available.
  - 30 Data dictionary is supplied for use with a report generator; suggest purchasing IBM's "Query" product.
  - 31 Will be available in the next product release.
  - 32 Records are purged during archiving process.
  - 33 Also indicates the number of segments transmitted; Ordernet's network bills by the number of segments sent.
  - 34 Only outbound transmissions are numbered.
  - 35 User can control the level of checking for each trading partner.
  - 36 Specific data element editing requirements can be specified for each trading partner.
  - 37 "Rejected" transaction sets can be optionally accepted.



TABLE E-2. MINICOMPUTER TRANSLATION SOFTWARE SURVEY (CONTINUED)

Company and Product		Communications Features				System Interface				Customized Operations				Editing				System Maintenance				Reports				Support Features				Miscellaneous Features																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Unattended Operations Capability				Data Input Screens				Input Editing				Multiple Header Support				Transaction Set Seq. Numbering				Version Support Table				Trading Partner Profile				Compliance Editing				Inbound Sids				Automated Purgng				Transmitted Characters				User-Defined Mgt. Reports				User Support (Hot Lines)				Help Screens				System Entry				Selective Accessibility																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		User-Definable System Interface				Data Input Screens				Input Editing				Multiple Header Support				Transaction Set Seq. Numbering				Version Support Table				Trading Partner Profile				Compliance Editing				Inbound Sids				Automated Purgng				Transmitted Characters				User-Defined Mgt. Reports				User Support (Hot Lines)				Help Screens				System Entry				Selective Accessibility																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

- 1 BG header is not supported; TDCC is not supported.
  - 2 Supports the EDIFACT header UNA/UNB.
  - 3 May be specified for each transaction set used by a trading partner.
  - 4 Requires vendor assistance.
  - 5 Data element codes are also validated.
  - 6 Will provide interface to another database or sell user a turnkey Informix solution (SQL or report writer).
  - 7 Nonautomated; available via menu selection or "pull-up window."
  - 8 Compliance editing occurs after input screen has been completed.
  - 9 Only available on the HP3000.
  - 10 Maps data directly between database and EDI transaction sets. A flat-file format is available.
  - 11 User may add or delete codes for each trading partner.
  - 12 Reports the number of transaction sets sent by each trading partner.
  - 13 Reports the number of bytes sent for each transaction set; the number of bytes per network is not reported.
  - 14 Can be customized by user.
  - 15 A shell written in COBOL is provided; programmer must complete the PROCEDURE division.
  - 16 Source code for menus and reports is provided.
  - 17 Requires a report writer.
  - 18 Toll-free 800 telephone number.
- 
- 19 Requires a different map for each affected trading partner's transaction set.
  - 20 Available for an additional fee.
  - 21 Only checks header controls on inbound transactions.
  - 22 User-specified dates may be overridden.
  - 23 Nonautomated; requires use of system editor.
  - 24 "Batch" mode only.
  - 25 Requires purchase of data mapping product (EDImap).
  - 26 Requires some user intervention.
  - 27 Reports the number of characters received from each EDI VAN.
  - 28 Only once per day.
  - 29 Available upon user request. Limited screens are available.
  - 30 Data dictionary is supplied for use with a report generator; suggest purchasing IBM's "Query" product.
  - 31 Will be available in the next product release.
  - 32 Records are purged during archiving process.
  - 33 Also indicates the number of segments transmitted; Ordernet's network bills by the number of segments sent.
  - 34 Only outbound transmissions are numbered.
  - 35 User can control the level of checking for each trading partner.
  - 36 Specific data element editing requirements can be specified for each trading partner.
  - 37 "Rejected" transaction sets can be optionally accepted.

TABLE E-3. MAINFRAME TRANSLATION SOFTWARE SURVEY

Company and Product	Communications Features				System Interface				Customized Operations				Editing				System Maintenance		Reports		Support Features		Miscellaneous Features	
	Unattended Operation Capability	User-Defined System Interface	Data Input Screens	Input Editing	Multiple Header Support	Transaction Set Seq. Numbering	Version Support	Trading Partner Profile	Outbound Sds Compliance Editing	Inbound Sds Compliance Editing	Automated Piping	Translated Characters	User-Derived Mgt. Reports	User Support (Hot Lines)	Help Screens	System Entry Security	Selective Accessibility							
	Yes <sup>1</sup>	No	N/A	Yes <sup>2</sup>	Yes	Yes <sup>3</sup>	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes							
Digital Equipment DEC/EDI	Yes <sup>4</sup>	No	N/A	Yes <sup>2</sup>	Yes	Yes <sup>3</sup>	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes							
EDI Solutions, Inc. EDtran and EDifast	Yes <sup>4</sup>	Yes <sup>1,5</sup>	N/A	Yes <sup>2</sup>	Yes	Yes <sup>3</sup>	Yes <sup>5</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	No <sup>7</sup>	Yes	Yes	Yes	Yes	No							
General Electric Information Services EDI*Central	Yes	Yes <sup>9</sup>	N/A	Yes <sup>2</sup>	Yes	Yes <sup>3</sup>	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	No <sup>7</sup>	Yes <sup>11</sup>	Yes <sup>12</sup>	No	No	No							
EDI*Benchmark	Yes	Yes	N/A	Yes <sup>2</sup>	Yes	Yes <sup>3</sup>	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	No <sup>7</sup>	Yes <sup>8,10</sup>	Yes <sup>11</sup>	No	No	No							
International Business Machines Data Interchange/MVS and Data Interchange/CICS	Yes <sup>13</sup>	Yes	Yes	Yes	Yes	Yes	Yes <sup>14</sup>	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes							
St. Paul Software Dataran	Yes	Yes	N/A	Yes	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes							
Seaford Software GENTRAN and GENTRAN Plus	Yes <sup>15</sup>	Yes	N/A	Yes <sup>2</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes <sup>13</sup>	Yes <sup>16</sup>	No	Yes <sup>11</sup>	No	Yes	ID and Password	Yes							
Translator* MVS, Translator*VSE, and Translator Plus	Yes	Yes	N/A	Yes <sup>2</sup>	Yes	Yes <sup>3</sup>	Yes <sup>14,17</sup>	Yes <sup>6</sup>	Yes <sup>6,18</sup>	Yes	Yes	Yes	Yes <sup>11</sup>	Yes	ID and Password	No	No							
TSI International Trading Partner	Yes <sup>13</sup>	Yes	N/A	Yes	Yes	Yes <sup>3</sup>	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes	Yes	Yes	Yes	No	Yes	ID and Password	Yes							
Supply Tech STX12 for the Mainframe	Yes	No	Yes <sup>14,19</sup>	Yes <sup>2</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes	No	Yes <sup>14,19</sup>	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes							

- 1 Available for an additional fee.
- 2 Supports the EDIFACT header UNA/UNB.
- 3 May be specified for each transaction set used by a trading partner.
- 4 "Batch" mode only.
- 5 Requires purchase of data mapping product (EDImap).
- 6 Data element codes are also validated.
- 7 Reports the number of transaction sets sent by each trading partner.
- 8 Source code for menus and reports is provided.
- 9 A shell written in COBOL is provided; programmer must complete the PROCEDURE division.
- 10 Requires a report writer.
- 11 Toll-free 800 telephone number.
- 12 For CICS portion only.
- 13 Requires the use of operating system utilities.
- 14 Specific data element editing requirements can be specified for each trading partner.
- 15 Only in GENTRAN Plus; may be set up by transaction set, trading partner, or network.
- 16 Also indicates number of segments transmitted; OrderNet's network bills by the number of segments sent.
- 17 Nonautomated; requires use of system editor.
- 18 "Rejected" transaction sets can be optionally accepted.
- 19 Checks only the interchange envelope and functional group headers; permits nonstandard transactions to be sent and received.

## **APPENDIX F**

### **SELECTING EDI TRANSLATION SOFTWARE**

This appendix discusses how this guide can be used to aid in the selection of EDI translation software for Military Department or Defense agency activities. A step-by-step procedure for selecting EDI translation software for a particular activity follows:

- Identify the activity's EDI data processing requirements, including the application system that will be integrated with the EDI translation software.
- Identify the hardware and corresponding operating system upon which the EDI software will reside. Categorize the hardware as microcomputer, minicomputer, or mainframe and determine the EDI translation software requirements for a specific activity. Use Appendix D to identify the functions and features required by the EDI translation software package for the specific operating environment.
- Use Appendix A to identify those vendors that sell software for the desired hardware environment (microcomputer, minicomputer, or mainframe) or Appendix B if Unix-based software is required.
- Use Appendix C to look up the detailed software product offerings and descriptions for those vendors identified in the previous step. Identify those vendor products that offer EDI translation software for the required hardware and operating system.
- Determine if the products identified in the previous step satisfy the activity's major EDI translation software requirements by using Appendix E, Software Product Survey Results.

In most cases, more than one product will meet an activity's requirements. We then suggest that product literature be requested from those vendors and, procurement rules permitting, we also advise a product demonstration. If only one product meets an activity's requirements, we recommend that a test copy be obtained and tested on the system that is to become EDI capable.

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