4.2.13 Software and Services

<table>
<tr><td>COMPANY NAME
Access Privilege
Les Algorithmes - Aristote B
B.P. 29
06901 Sophia Antipolis Cedex
France

Mr. Philippe Boulanger
+33-92960100
FAX: +33-92944856</td><td>NI-1 Compatibility Yes

NI-2 Compatibility Yes</td></tr>
<tr><td>PRODUCT NAME
EasyTransfer

EasyTransfer is an enhanced file transfer program including APC real-time data compression. Available in MacIntosh or Windows versions.</td><td>Estimated Price

MacIntosh version $299

Windows version $299</td></tr>
<tr><td colspan="2">Notes

• Supports PSTN, ISDN, Switched 56, X.24, X.21, dedicated lines.
• Interface with the communication peripheral via Communication ToolBox.
• Full-compatibility between the Macintosh users to exchange documents transparently.
• Security read/writer protection.
• Built-in APC real time data compression optimizing communications throughput.
• Error correction.
• Batch transmission.
• Cost and traffic analysis.
• Direct message service to communicate with the person at the other end of the line.</td></tr>
</table>

4.2.13 Software and Services

<table>
<tr><td>COMPANY NAME

Access Privilege
Les Algorithmes - Aristote B
B.P. 29
06901 Sophia Antipolis Cedex
France

Mr. Philippe Boulanger
+33-92960100
FAX: +33-92944856</td><td>NI-1 Compatibility Yes

NI-2 Compatibility Yes</td></tr>
<tr><td>PRODUCT NAME
TheLink

TheLink interconnects remote AppleTalk networks. TheLink comprises AppleTalk Internet Router 2.0</td><td>Estimated Price

$449 (Including AppleTalk Internet Router)</td></tr>
<tr><td colspan="2">Notes

• Supports PSTN, ISDN, Switched 56, X.24, X.21, dedicated lines.
• Compatible with AppleTalk Internet Router 3.0.
• Manages up to 8 networks simultaneously with AppleTalk Internet Router 2.0 and up to 32 networks with A.I.R. 3.0.
• Supports LocalTalk, EtherTalk, TokenTalk.
• Access controls for authorized sites: restrictions, passwords, automatic recall, connection history.
• Operates as a background task on all Macintoshes, compatible with system 6 and 7.
• Simplified connection with management of aliases in system 7.
• Interface via Communication ToolBox.
• Built-in APC compression optimizing communication throughput.
• Virtual connection on permanent link.
• TheLink feature the DRTMP protocol which noticeably reduces the traffic over wide are networks.</td></tr>
</table>

4.2.13 Software and Services

COMPANY NAME	
Access Privilege Les Algorithmes - Aristote B B.P. 29 06901 Sophia Antipolis Cedex France Mr. Philippe Boulanger +33-92960100 FAX: +33-92944856	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME The Link Personal TheLink Personal connects a Macintosh to another Macintosh running TheLink Personal or to a remote AppleTalk (LocalTalk, EtherTalk, or TokenTalk) networks running TheLink.	Estimated Price License for 1, 10, or 100 users

Notes

- Supports PSTN, ISDN, Switched 56, X.24, X.21, dedicated lines.
- Compatible with TheLink.
- Access controls for authorized sites: restrictions, passwords, automatic recall, connection history.
- Operates as a background task on all Macintoshes, compatible with System 6 and 7.
- Simplified connection with management of aliases in System 7.
- Interface via Communication ToolBox.
- Built-in APC compression optimizing communication throughput.
- Virtual connection on permanent link.

4.2.13 Software and Services

COMPANY NAME AT&T Network Systems 2600 Warrenville Road Lisle, IL 60532 Chris Robbins (708) 224 - 4538	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME AT&T ISDN Client Profile Software	ESTIMATED PRICE $400

Notes:

AT&T ISDN Client Profile Software allows you to take control of your phone...your accounts...your time. With Client Profile Software you don't have to settle for just a name or phone number as the identity of an incoming call. As soon as your phone rings, a window on your personal computer screen will display a detailed profile on the caller and give you access to notes from your last conversation.

Client Profile also gives you automatic access to your database, whether it resides on your PC or on a remote computer. You can view your customer's data before you answer the call.

If you choose not to answer a call, or to transfer the call to another phone, to voice mail, or to a message service, the call will be recorded in your call log. Your call log keeps track of all your calls (answered or not), recording the name of the caller, the date, the time, the duration, and the disposition of the call. It also allows you to return a phone call with a touch of a button.

Requires Caller ID, 2-16 call appearances, Conference, Transfer, Drop, Held, Call Appearance Preference=Idle, One Touch=Yes, Autohold=Yes, Terminal Type D

4.2.13 Software and Services

COMPANY NAME Banyan Systems, Inc. 120 Flanders Road Westboro, MA 01581 Catherine Stone Tel (508) 836-1813 FAX: (508) 836-2880	NI-1 Compatibility Now NI-2 Compatibility
PRODUCT NAME ISDN Server-to-Server software option for VINES 5.50	Estimated Price Contact your local Banyan Reseller or Banyan Sales Office

Notes

The ISDN Server-to-Server software option for VINES 5.50 allows full server-to-server functionality to be used over Basic Rate ISDN (BRI) connections. ISDN BRI support in a VINES environment includes two major components:

- The ISDN Server-to-Server option provided by Banyan Systems
- The ISDN BRI card supplied by SCii Telecom. ISCOM is its US distributor.

Key Features:

- Menu-driven configuration
- Configurable autoconnection
- Security
- A two-channel ISDN BRI card in a single server expansion slot

4.2.13 Software and Services

COMPANY NAME	NI-1 Compatibility Now
Banyan Systems, Inc. 120 Flanders Road Westboro, MA 01581 Catherine Stone Tel (508) 836-1813 FAX: (508) 836-2880	NI-2 Compatibility
PRODUCT NAME	Estimated Price
VINES X.29 Dial-in over ISDN	Contact your local Banyan Reseller or Banyan Sales Office

Notes

The X.29 Dial-in capabilities of the VINES X.29 option allow remote VINES clients to access VINES servers across ISDN.

Customers with access to an ISDN switch can set up cost effective remote client connections to their VINES networks. Clients gain access to the VINES network utilizing the D-channel of the switch for packet switched data at rates up to 19.2 Kbps. The data is multiplexed and transmitted to the server at 64 Kbps. The data is multiplexed in the network and transmitted to the server at 64 Kbps using B-channel packets.

Key Features:

- The link is completely transparent to users who view the network as a single system in which global resources are easily accessible.
- All VINES network services (file, print, mail, SNA & TCP/IP) appear as extensions of the remote user's PC.
- Phone numbers are reported within VINES MNET

4.2.13 Software and Services

COMPANY NAME Bellcore 331 Newman Springs Road Red Bank, NJ 07701 Steven M. Baer (908)758-2265	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME MediaCom (TM) Software MediaCom (SM) Service	ESTIMATED PRICE Call 1-800-527-1080 for license information

Notes:

MediaCom Service (SM) is a Multimedia Phone Service designed to provide complete Integrated email, faxmail, vmail, graphics, remote electronic white pages, conferencing, call management, and information service access from an easy to use icon based interface. It provides totally integrated communications to the end user. MediaCom Service is a major productivity enhancer for small or large businesses, home based professionals, and work at home users.

MediaCom Software (TM) is being licensed at low cost for the Industry to use with existing TA's or as a tool kit for other products. The software presently runs on a PC under OS/2 2.1 and interworks with DOS and Windows products.

MediaCom is operating live today. It received the ComForum award for innovation and has been demonstrated to the U.S. Senate as an example of the power of ISDN to meet National Initiatives.

Key features include:

- Advanced Icon Based Telephone Service
- Electronic White Pages (EWP), including Remote Directories
- Call Screening,
- Simple Call, Email, or Fax to a name in the EWP
- Email and Voice Message List, including Message Waiting Indication and Automatic Return
- Incoming Call Identification and Management
- Multiparty (up to 6) Call Conferencing
- Image Transfer and Screen Sharing

MediaCom is a trademark of Bellcore
MediaCom is a service mark of Bellcore

4.2.13 Software and Services

COMPANY NAME Crosswise Corporation 105 Locust St., Suite 301 Santa Cruz, CA 95060 Gary Gysin (408) 459-9060	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME Face to Face Windows Face to Face Macintosh	Estimated Price $295 $295

Notes:

Face to Face is a desktop document conferencing software product for users of Macintosh and/or Windows systems. Face to Face allows users of any combination of Windows PCs or Macintosh computers to partake in a real time conference from their desktop.

Documents created in any application can be shared, reviewed and annotated during a Face to Face meeting.

A complete set of annotation tools allows each meeting participant to annotate documents while in a conference. After a meeting is over each participant is left with all of the shared documents and all of the comments made to each document during the meeting.

Face to Face runs on most ISDN Terminal Adapters and also executes on POTS Modems (2400 baud or higher) and LANs. Face to Face requires no additional software or special hardware.

4.2.13 Software and Services

COMPANY NAME DataBeam Corporation 3191 Nicholasville Road Lexington, KY 40503 Barry Ruditsky (606) 245-3500	NI-1 Compatibility NI-2 Compatibility
PRODUCT NAME FarSite for Sun	Estimated Price $995.00

Notes:

FarSite is a breakthrough electronic meeting solution that provides tools for real-time collaboration between geographically distant parties. You can work with others to solve problems, review plans and projects, and conceive new ideas using your SPARCstation as an interactive briefing book. Up to 16 users can share detailed designs, charts, documents, and spreadsheets in real time. Make your point by drawing, typing -- even signing the document. All meeting participants simultaneously receive your modifications and input.

4.2.13 Software and Services

COMPANY NAME DCA Digital Communication Associates 1000 Alderman Drive Alpharetta, GA 30202-4199 Jeff Bergstrom (404) 442-4000	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME Remote LAN Node (RLN)	Estimated Price $795 - $6,850

Notes

RLN extends networking environments to remote users. Remote users function exactly like locally connected nodes. For the serious user, remote office, telecommuter, RLN bundled with the Hayes Microcomputer Systems ISDN System Adapter provides advanced throughput over traditional analog lines. (The product currently is available with the Hayes System Adapter only).

4.2.13 Software and Services

COMPANY NAME DGM&S Inc. 1025 Briggs Road Mt. Laurel, NJ 08054 (609) 866 - 1212	NI-1 Compatibility Now NI-2 Compatibility 12/93
PRODUCT NAME DGM&S Engineering Services	Estimated Price Call for quotes
Notes DGM&S is a telecommunications engineering company providing engineering services specializing in the development of telecom systems, products, and applications. Areas of expertise include ISDN BRI and PRI, Signaling System Seven (SS7), X.25, and more. DGM&S can quote a variety of contracting options including Time and Materials, Firm Fixed Price, Licensing, Royalty and Consulting.	

4.2.13 Software and Services

COMPANY NAME	NI-1 Compatibility Now
DGM&S Inc. 1025 Briggs Road Mt. Laurel, NJ 08054 (609) 866 - 1212	NI-2 Compatibility 12/93
PRODUCT NAME QSource™ BRI Software QSource™ PRI Software QSource™ X.25 Software	Estimated Price $ 40,000 (Includes NI-1) $ 50,000 $ 25,000

Notes

The QSource ™ line of Enabling Technology software products are available for incorporation into customer systems and products. Source packages are available for both ISDN Basic and Primary Rate Interface standards (Q.931/Q.921). All DGM&S software products are written in ANSI C for ease of maintenance and portability into the target environment. DGM&S provides a run-time version of the QRux real-time kernel operating system with both the BRI and PRI packages.

DGM&S has experience with all major ISDN chip vendors, switch manufacturers, and service providers. DGM&S has international partners who can assist with compliance testing and certification with telephone administrations worldwide.

The QSource ™ products are supported by extensive user documentation, programmer training, and debug tools to assist the product developer. DGM&S also provides custom enhancements and total hardware and software development on a contract basis.

DGM&S a supplier of a variety of PC/AT and VME based hardware development cards to facilitate initial development and testing of ISDN products. Call to request specific product information.

4.2.13 Software and Services

COMPANY NAME	NI-1 Compatibility Now
DGM&S Inc. 1025 Briggs Road Mt. Laurel, NJ 08054 (609) 866 - 1212	NI-2 Compatibility 12/93
PRODUCT NAME	**Estimated Price**
QSource/OMNI Telecom Software Platform	Depends upon HW platform. Call for quote.

Notes

The Qsource/OMNI software platform is a robust application development environment running under the UNIX OS environment that supports application development in the Intelligent Network. Intended for use as a platform for development of Adjunct Processor (AP), Intelligent Peripheral (IP), Service Control Point (SCP) processors as well as a platform for bridging between heterogeneous communications environments including ISDN, SS7, X.25, LAN, and TCP/IP.

COMPANY NAME	NI-1 Compatibility
Digital Equipment Corporation P.O. Box CS2008 Nashua, NH 03601-2008 1-800-DIGITAL (1-800-344-4825) Or Local Sales Office	NI-2 Compatibility
PRODUCT NAME PATHWORKS ISDN (DOS) V1.0 PATHWORKS ISDN (DOS) software integrates single, remote PCs into distributed, enterprise networks)	Estimated Price Suggested retail: $205 per PC (included in PATHWORKS Combination Client Server license)

Notes

Digital's PATHWORKS ISDN (DOS) client software offers rapid and reliable transfer of information across a wide area, which enables customers to integrate single PCs at remote sites into their enterprise network -- by using the high-speed ISDN Basic Rate Access -- to give those remote offices access to corporate network services and applications. This makes it particularly well suited to industries such as banking, retail, insurance, and services with distributed operations that require high-speed transmission of large files, documents, and images over wide area networks 24-hours per day.

The PATHWORKS ISDN (DOS) software allows a PATHWORKS for DOS and Windows client that runs the TCP/IP or DECnet transport to be connected to any PATHWORKS servers based on LAN Manager, including OSF/1, Open VMS, SCO Unix and OS/2 platforms. PATHWORKS ISDN (DOS) client software runs on DOS 3.3 or higher and Microsoft Windows. For the United States, the AT&T 5E6 and 5E8 and Northern Telecom BCS34 switches are supported. The ISDN and protocol drivers run on the ISDN network interface card's CPU without impacting the PC's computing power.

PATHWORKS ISDN (DOS) software is simple to install and requires little or no networking expertise. The PATHWORKS ISDN (DOS) software is an add-on component to PATHWORKS for DOS and Windows (LAN Manager) client software. It supports all PATHWORKS applications and client network services running over either TCP/IP or DECnet network transport protocols.

PATHWORKS services supported by this product include: file and print services, mail services, network file transfer (TCP/IP FTP or DECnet NFT), terminal emulation, network management, and the File Access Listener (FAL) utility over DECnet. It also supports all applications running over the network, including X.400 mail database access applications, and X Window servers (such as Digital's eXcursion), and third-party PC applications.

An AT-bus ISDN network card, the ISDN PCS0 Controller card, is available directly from Digital Equipment Corporation. Its on-board CPU helps ensure maximum throughput by freeing up the personal computer to concentrate on processing PC applications, even during data intensive sessions.

4.2.13 Software and Services

COMPANY NAME	
Educational Technology Institute Jersey City State College 2039 Kennedy Blvd. Jersey City, NJ 07305 Dorothy Mulligan (201) 200-2903	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME Rainbow Router Rainbow Administrator Rainbow Remote	Estimated Price $395 Not available separately $195

Notes

The Rainbow Router and Rainbow Administrator turn the Macintosh into a software based AppleTalk internet router. The Rainbow Router implements the routing process and operates entirely in the background concurrently with other software such as file servers. The Rainbow Adminstrator provides configuration and administrative functions from a single location for all of the routers in the internet.

The Rainbow Router is fully compatible with ISDN when used in conjunction with the ISDNTalk Adev. The Adev provides network interconnection using circuit mode ISDN data calls.

Rainbow Remote establishes a dial-up ISDN connection between a Macintosh and a remote network, providing the Macintosh with complete access to the services of the remote network. Using System 7, two Macintoshes can share or transfer files over ISDN.

4.2.13 Software and Services

COMPANY NAME	NI-1 Compatibility Yes NI-2 Compatibility Yes
Excelltech, Inc. 300 W. Third Street Yankton, SD 57078 Carol Williams (605) 665 - 5811	
PRODUCT NAME Excellnet/ISDN	ESTIMATED PRICE $100 Excellnet/ISDN, Excell/ICLID, and Excell/Dial packaged together is $200

Notes:

Excellnet/ISDN is a full-featured, PC Communications software package for ISDN

Features of Excellnet/ISDN include:

1. Data Transfer - Circuit and Packet Switched, including ISDN and X.25 calls
2. Printer Sharing
3. Electronic Mail
4. Terminal Emulation
5. Remote Access
6. Capability to run standard NETBIOS applications over ISDN
7. Three simultaneous active calls on 2B and 1D channels, up to 64 Kbps
8. Operation with any combination of PC/XT/AT, PS2, 386, 486 and compatible
9. Automatic making and breaking of ISDN data connections
10. Automatic configuring of ISDN terminal adapters with script language
11. Full access to ISDN voice signaling data via the RS-232 connection with AT&T firmware package 3
12. Custom modifications

4.2.13 Software and Services

COMPANY NAME Excelltech, Inc. 300 W. Third Street Yankton, SD 57078 Carol Williams (605) 665 - 5811	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME Excell/ICLID	ESTIMATED PRICE $150 Excellnet/ISDN, Excell/ICLID, and Excell/Dial packaged together is $200

Notes:

Excell/ICLID is a caller identification software package for ISDN

Features of Excell/ICLID include:

1. Ability to identify incoming callers from a remote centralized database
2. Ability to update a remote centralized database with caller information
3. Three simultaneous active calls on 2B and 1D channel, up to 64 Kbps
4. Operation with any combination PC/XT/AT, PS/2, 386, 486 and compatible
5. Capacity to run standard NETBIOS applications over ISDN
6. Automatic making and breaking of ISDN data connections
7. Automatic configuring of ISDN terminal adapters with script language
8. Full access to ISDN voice signaling data via the RS-232 connection with AT&T firmware package 3
9. Custom modifications

4.2.13 Software and Services

COMPANY NAME Excelltech, Inc. 300 W. Third Street Yankton, SD 57078 Carol Williams (605) 665 - 5811	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME Excell/DIAL	ESTIMATED PRICE $75 Excellnet/ISDN, Excell/ICLID, and Excell/Dial packaged together is $200

Notes:

Excell/DIAL is an automatic voice dialer software package for ISDN

Features of Excell/DIAL include:

1. Automatic dialing of a speaker phone via PC/XT/AT, PS/2, 386, 486 and compatible; AT&T 7506 or 7507 with firmware package 3 is required
2. Ability to choose and/or update phone numbers from a database of names and numbers for automatic dialing
3. Activation by hot key
4. Capacity to run standard NETBIOS applications over ISDN
5. Three simultaneous active calls on 2B and 1D channel, up to 64 Kbps
6. Operation with any combination PC/XT/AT, PS/2, 386, 486 and compatible
7. Automatic making and breaking of ISDN data connections
8. Automatic configuring of ISDN terminal adapters with script language
9. Access to ISDN voice signaling data via the RS-232 connection with AT&T firmware package 3
10. Custom modifications

4.2.13 Software and Services

COMPANY NAME Excelltech, Inc. 300 W. Third Street Yankton, SD 57078 Carol Williams (605) 665 - 5811	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME Excelltech NETBIOS	ESTIMATED PRICE $100

Notes:

Excelltech NETBIOS is the standard NETBIOS applications programming interface (A.P.I.) customized for ISDN

Features of Excelltech NETBIOS include:

1. Capacity to run standard NETBIOS applications over ISDN
2. Ability to retrieve and manage multiple ISDN data streams via RS-232 ISDN terminal adapters
3. Full access to ISDN voice signaling data via the RS-232 connection with AT&T firmware package 3
4. Three simultaneous active calls on 2B and 1D channel, up to 64 Kbps
5. Operation with any combination PC/XT/AT, PS/2, 386, 486 and compatible
6. Automatic making and breaking of ISDN data connections
7. Automatic configuring of ISDN terminal adapters with script language
8. Custom modifications

4.2.13 Software and Services

<table>
<tr><td>COMPANY NAME

EYETEL Communications, Inc.
Ste. 206-267 West Esplanade
North Vancouver, BC
Canada V7M 1A5

Tel: (604) 984-2522
Fax: (604) 984-3566
Toll Free: 1-800-736-3236</td><td>NI-1 Compatibility Yes

NI-2 Compatibility Yes</td></tr>
<tr><td>PRODUCT NAME
EyeTel Communicator I — software decoded VIDEO MAIL
EyeTel Communicator II — audiographic + videocapture
EyeTel Communicator III — audiographic + H.320 videoconferencing</td><td>Estimated Price
$ 99.00
$ 745.00
$ 5,995.00</td></tr>
<tr><td colspan="2">Notes

EyeTel's line of Communicator products are advanced PC-based communication systems that runs under the Microsoft Windows environment. They are fully interactive, video augmented, simultaneous graphics and text communication systems that link users via standard analog phone networks or digital data networks (including SW56, ISDN and LANs). The system provides the user with the capacity to store, transmit, view, and annotate - in full duplex - still images such as video frames, scanned graphics, drawings, plans, and CAD files, as well as ASCII text files. Related graphics and text files can be displayed, annotated and (for text files) edited simultaneously. The source for these images can be video or computer.

Communicator III: includes TSS H.320 codec, camera, handset, V.22/RS449 MIC, Communicator III software and one set of Communicator I software</td></tr>
</table>

4.2.13 Software and Services

COMPANY NAME Farallon Computing, Inc. 2000 Powell Street Suite 600 Emeryville, CA 94608 Customer Service (510) 596-9000	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME Timbuktu® Timbuktu/Remote Macintosh screen sharing	Estimated Price SRP $195 single, $995 10-pack, $1995 30-pack, $5500 100-pack SRP $195 single, $295 twice

Notes

- Timbuktu gives remote control of another Macintosh, including full color screen sharing and file transfer over a local AppleTalk network and over AppleTalk Remote Access, Farallon Liaison or other dial-up AppleTalk that runs on ISDN.
- Timbuktu/Remote gives full color screen sharing and file transfer with another Macintosh using either modems or ISDN terminal adapters.
- Both packages provides access security using multiple passwords, varying levels of access, and the ability to alter privileges or disconnect at any time. Timbuktu/Remote has a call back option to verify identity.
- Work together on documents or presentations while simultaneously talking on the phone.
- Remote users can get full access to their desktop machine at the office.
- One serialized copy required at each Macintosh.

Timbuktu is a registered trademark of Farallon.

4.2.13 Software and Services

COMPANY NAME Group Technologies, Inc. 1408 N. Fillmore Street Suite 10 Arlington, VA 22201 Dimitri Korahais (703)528-1555	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME Aspects Real time conferencing on the Macintosh	Estimated Price $299

Notes

Aspects is software for the Macintosh that supports real time conferencing on documents. Two to sixteen users can share the same document and see each other's changes as they are made. Connections can be made using ISDN, a LAN, or modems. An ISDN or an analog phone call can be used for conversation during the data conference.

4.2.13 Software and Services

COMPANY NAME Hilgraeve Genesis Center 111 Conant Avenue Suite A Monroe, MI 48161 Jeff Beamsley 1-800-826-2760	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME HyperACCESS/5 Communications software for DOS and OS/2	Estimated Price $199

Notes

PC communications software that provides terminal emulation, file transfer, and remote control for DOS and OS/2. The commercially available version supports terminal adapters from AT&T, Fujitsu, Hayes, NEC, and Telrad. A special version available directly from Hilgraeve supports the AT&T ISDN PC platform card and the Hayes ISDN PC Adapter card applications programming interfaces.

4.2.13 Software and Services

COMPANY NAME	NI-1 Compatibility NI-2 Compatibility
IEX Corporation 2425 N. Central Expressway Suite 700 Richardson, Texas 76080 Marketing Manager (214) 301-1300	
PRODUCT NAME Developer of Telecommunications Solutions	Estimated Price

Notes

IEX designs, develops and integrates strategic solutions for telecommunications and computer vendors, service providers and end users. IEX specializes in telecommunications systems for call centers, enhanced network services, network call processing, and network operations.

4.2.13 Software and Services

COMPANY NAME International Business Machines, Inc. Research Triangle Park, NC 27709 Pratik Nanavati (919) 543-2831	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME IBM Communications Manager/2 Version 1.0	Estimated Price $475

Notes

Provides the following functions:

- 3270 Emulation
- 5250 Emulation
- SNA Gateway
- Supports IBM ISDN CO-Processor adapters
- Provides X.25, IDLC, SDLC over ISDN & LANS
- Supports both B & D channel packet-data
- Supports APPN Network Node & End Node Capability (LU 6.2)
- Supports APPC, CPI-C, EHLLAPI, SRPI, X.25 API, LUA

4.2.13 Software and Services

COMPANY NAME	
International Business Machines Research Triangle Park, NC 27709 Tom Hunter (919) 543-0452	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME	**Estimated Price**
IBM Person to Person/2 Version 1.0	$285 Single $1,875 10 pack

Notes

Provides for collaborative computing between OS/2 PC workstations. Includes shared "chalkboard" and videoconferencing. Runs across LANs, ISDN, and modems.

IBM has announced its intention to provide this product on both Windows and AIX.

4.2.13 Software and Services

COMPANY NAME	
ISCOM 6103 Baltimore Avenue, Suite 205 Riverdale, MD 20737 Phone/FAX: (301) 779 - 1368	NI-1 Compatibility Now NI-2 Compatibility 1994
PRODUCT NAME Transfile II, file transfer.	Estimated Price $780

Notes

Working for the 2B+D basic rate at 56/64 or 112/128 Kbps in Transparent, X.25 or MLP protocols. Equipped with four Datavoice S0 cards, the PC or Mac is transformed into a file server making it posssible to send or receive simultaneously up to 8 different voice and data communications at 56/64 Kbps or 4 data communications at 112/128 Kbps.

Features include:

- International calls.
- Transfer to selected subscirbers
- Restricted access to directories
- Delayed file transfer
- Telephone directory

4.2.13 Software and Services

COMPANY NAME	NI-1 Compatibility Now
ManyLink Corporation P.O. Box 350 Redmond, WA 98073 David Appel (206) 881-5060 FAX: (206) 885-9445	NI-2 Compatibility Now
PRODUCT NAME ManyLink for ISDN Version 4.1 for DOS	Estimated Price $99 Volume discounts available

Notes

ManyLink for ISDN is a powerful communications software package that brings peer-to-peer Printer Sharing and Office networking to everyday PC users. With ManyLink, you can share resources such as printers, plotters and data files without installing expensive and complicated LAN's. A Windows version of this product is available.

ManyLink for ISDN provides these core features:

- Printer and Plotter
- Background File Transfer
- Electronic Messaging
- Data Security
- Memory Resident Applications Programming Interface
- Uses only 35k of RAM
- Supports all PC types from old 8088 PCs up to the latest 486 systems
- Operates on either B or D channel
- Automatic Data Compression for High Throughout
- Supports Terminal Adapters from All Major Manufacturers
- Optional software to support screen sharing and remote control of PCs
- Optional software to support sharing a Hayes JT-Fax card

4.2.13 Software and Services

COMPANY NAME	
ManyLink Corporation P.O. Box 350 Redmond, WA 98073 David Appel (206) 881-5060 FAX: (206) 885-9445	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME ManyLink for ISDN Version 4.1 for Windows and DOS	Estimated Price $169 Volume discounts available

Notes

ManyLink for ISDN /Windows is a powerful communications software package that brings peer-to-peer Printer Sharing and Office networking to everyday Windows users. ManyLink for ISDN/Windows provides the full feature set of ManyLink for ISDN/Windows within the Windows and DOS environments including full background operation under enhanced mode Windows. ManyLink even allows a user to move between Windows and DOS without interrupting data transfers.

ManyLink for ISDN/Windows uses the point and click interface of Microsoft Windows to provide an easy way for everyday users to communicate PC-to-PC over ISDN. Please refer to the entry for ManyLink for ISDN version 4.1 for DOS for a complete description of this product's features.

4.2.13 Software and Services

COMPANY NAME	
ManyLink Corporation P.O. Box 350 Redmond, WA 98073 David Appel (206) 881-5060 FAX: (206) 885-9445	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME ManyLink Call-Pop	Estimated Price $59 Volume discounts available

Notes

ManyLink Call-Pop is a memory resident utility for DOS that pops up on a user's screen with incoming caller ID information. Call-Pop may be customized to work with a user's existing dBase IV compatible database. Current supported terminal adapters include the AT&T 750X FP111 series, Northern Telecom's UTA, and the Hayes ISDN PC Adapter and System Adapter. Additional TA's supported by request.

4.2.13 Software and Services

COMPANY NAME	
Microware Systems Corporation 1900 NW 114th Street Des Moines IA 50325-7077 Curt Schwaderer (515) 224-1929 FAX: (515) 224-1352	NI-1 Compatibility 1Q '94 NI-2 Compatibility Planned
PRODUCT NAME ISDN File Manager (ISM)	Estimated Price $ 7500 ISDN File Manager

Notes

Microware offers complete embedded ROMable operating system with integrated Basic Rate ISDN software support. It also comes with an ISDN interface library making applications software easily interface to the ISDN I/O system with calls like _os_dialup(), _os_hangup()

Requirements:
68XXX or 386/486 processor
256 K ROM
256 K RAM
ISDN BRI transceiver chip with HDLC controller for 2 B channels

Contents of Software:

- ISDN application interface library
- Plug in support for AT&T 5E6, INS64, and others
- B channel protocols for LAPB, X.25, and transparent
- Source code for AM79C30 and Siemens 82525 HSCX
- Free hardware schematic available
- Example application source code
- Internet support

4.2.13 Software and Services

<table>
<tr><td>COMPANY NAME

National Aeronautical Space Administration
Lewis Research Center, MS/54-6
Cleveland, OH 44135

Thomas vonDeak
(216) 433-3277</td><td>NI-1 Compatibility

NI-X PRI access will be provided

NI-2 Compatibility</td></tr>
<tr><td>PRODUCT NAME

Advanced Communications Technology Satellite</td><td>Estimated Price

Available to interested experimenters on a low or no cost basis.</td></tr>
<tr><td colspan="2">Notes

NASA's Advanced Communications Technology Satellite (ACTS) will be used to develop and evaluate satellite based broadband and narrowband ISDN services. The ACTS system supports ISDN Primary Rate Access (PRA) services and OC-3/OC-3c/OC-12/OC-12c transport in two separate configurations. In the PRA mode, the ACTS supports B channel packet switching, and B, 2B, and H0 circuit switching between any of the system Earth Stations. The ACTS system currently has 18 transportable PRA Earth Stations and 6 transportable B-ISDN Earth Stations. The ACTS provides coverage throughout the Western Hemisphere.</td></tr>
</table>

4.2.13 Software and Services

COMPANY NAME Norton-Lambert Corp. P.O. Box 4085 Santa Barbara, CA 93140 Sales Department (805) 964-6767 - Extension 1	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME Close-Up 5.0	Estimated Price $199
Notes Winner of latest PC Magazine "Editor's Choice" & PC World "Best Buy" awards, Close-Up 5.0 is the fastest remote control program available. Take control of PC's miles away by modem or ISDN. Run both Windows & DOS applications. Use Close-Up for remote access to PCs and networks, file transfer, remote support and general communications.	

4.2.13 Software and Services

COMPANY NAME Novell, Inc. 890 Ross Drive Sunnyvale, CA 94089	NI-1 Compatibility NI-2 Compatibility
PRODUCT NAME NetWare for SAA V 1.3	ESTIMATED PRICE Suggested retail: 16 (sessions) - $ 1995 64 (sessions) - $ 5995 128 (sessions) - $ 8495 254 (sessions) - $14995

Notes:

Novell's NetWare for SAA software integrates NetWare with IBM mainframe and AS/400 environments. Developed as a NetWare Loadable Module (NLM), NetWare for SAA takes advantage of high performance, security and reliability and manageability of NetWare. NetWare for SAA is available in configurations that support up to 506 simultaneous display, printer or APPC sessions.

4.2.13 Software and Services

COMPANY NAME Novell, Inc. 890 Ross Drive Sunnyvale, CA 94089	NI-1 Compatibility NI-2 Compatibility
PRODUCT NAME NetWare Connect	ESTIMATED PRICE Suggested retail:: 2 (port) - $ 595 8 (port) - $2195 32 (port) - $5995

Notes:

NetWare Connect software consolidates remote access solutions on a single, integrated, manageable platform built on NetWare. Remote users of DOS, MS Windows and Apple Macintosh computers can dial in and access available resources on a network, including files, databases, application software, electronic mail and minicomputer services. Local network users can dial out and connect to bulletin board, X.25 and ISDN services and asynchronous minicomputers. Built as Netware Loadable Modules (NLM), NetWare Connect takes advantage of high performance, security and administration features of NetWare.

4.2.13 Software and Services

<table>
<tr><td>COMPANY NAME
OST, Inc.
14225-F Sullyfield Circle
Chantilly, VA 22021

Jean-Noel Berre
Voice: (703) 817-0400
FAX: (703) 817-0402</td><td>NI-1 Compatibility Now

NI-2 Compatibility</td></tr>
<tr><td>PRODUCT NAME

LanXpand Family Software Applications
using the PCSNET to connect to the ISDN BRI</td><td>Estimated Price

From $150.00 to $995.00</td></tr>
</table>

Notes:

- LanXpand In/IP $500
  NDIS driver (DOS) provides access to TCP/IP using off the shelf software (FTP's PC/TCP, Wollogong's Pathways, DEC's Pathworks, etc.) Will work with any Router complying with RFC 877, like OST's MAGELLAN Router.

- LanXpand-In Gateway $700.
  ISDN Access Gateway to NetBIOS LANs
  Provide security access to up to 12 remote users
  Same Gateway can mix ISDN and X.25 cards

- LanXpand-In Remote $150
  Remote Access to NetBIOS LANs through LanXpand-In Gateway

- LanXpand-Inter/NW $995
  Router for NOVELL LANs
  Provides interconnection of NOVELL LANs and Access of remote users with LanXpand-In/NW
  Same Router can mix ISDN and X.25 cards.

- LanXpand-In/NW $500
  Remote Access to NOVELL through LanXpand-Inter/NW Router.

Bundle Packages: ISDN card and software applications also available at reduced price.

4.2.13 Software and Services

COMPANY NAME OST, Inc. 14225-F Sullyfield Circle Chantilly, VA 22021 Jean-Noel Berre Voice: (703) 817-0400 FAX: (703) 817-0402	NI-1 Compatibility Now NI-2 Compatibility
PRODUCT NAME OSTBIOS NetBIOS API OSTBIOS OSI API	Estimated Price $200 $200

Notes:

OSTBIOS NetBIOS API:

NetBIOS Emulator compatible with NetBIOS API ™
Includes EXCELLTECH's ExcellNET application

OSTBIOS OSI API:

Communication interface compatibile with NaBIOS API ™. Allows virtually all applications developed for the X.25 Eicon Card to run over ISDN using the PCSNET card.

NetBIOS is a trademark of IBM
NaBIOS is a trademark of EICON Technologies

4.2.13 Software and Services

COMPANY NAME OST, Inc. 14225-F Sullyfield Circle Chantilly, VA 22021 Jean-Noel Berre Voice: (703) 817-0400 FAX: (703) 817-0402	NI-1 Compatibility Now NI-2 Compatibility
PRODUCT NAME MacSnet Link MacSnet File (Numeritell)	Estimated Price $500 $300

Notes:

MacSnet Link:

AppleTalk ISDN Router, includes AppleTalk Internet Router.
Provides Interconnection of AppleTalk LANs (LocalTalk, Ethertalk or TokenTalk) or remote access of Individual MACs to an AppleTalk LAN. Provides extensive security access: passwords, automatic dial back, password encryption, selective access to resources of the network, etc.

MacSnet File (Numeritell):

Very easy to use file transfer, which takes full advantage of the point and click Macintosh user interface.

Easy to manage directory, complete events log, visibility of remote Mac.

4.2.13 Software and Services

COMPANY NAME	Roland Projects, Inc. P.O. Box 491 Fairport, NY 14450-0491 (716) 223 - 0007	NI-1 Compatibility NI-2 Compatibility	Now Now
PRODUCT NAME	The System 90 Product Family is an integrated, media independent, ISDN applications environment	Estimated Price Please call for information	

Notes:

This System 90 Product family is a set of software programs and applications modules, utilized as a complete run-time application environment for developing and implementing ISDN products and applications. System 90 is specifically engineered as an integrated media-independent communication system. It consists of the baseline operating system; application generator and configurator; and canned applications.

The System 90 product is a complete engineering solution, including custom drivers and interface development and long term support. Please call for license information.

4.2.13 Software and Services

COMPANY NAME	
SmartChoice Technologies Corporation 614 River Street Hoboken, NJ 07030 Arnie Urken (201) 379-2306 Fax (201) 420-9568	NI-1 Compatibility Yes NI-2 Compatibility Yes
PRODUCT NAME SmartChoice (TM)	Estimated Price Floating license starting at $1895/seat and ending at $138/seat.

Notes

SmartChoice, the first "choice processor,"(TM) is a desktop productivity tool that runs only on a Sun SPARC(TM) platform, though it can be accessed by a PC, Mac, or other computer running an X-Windows(TM) emulator. As generic and fundamental as electronic mail, SmartChoice, finalist for best product award at Groupware '92, makes it unnecessary to go to a decision room to make a group choice. Clicking on the SmartChoice icon allow you to set up a group choice, collect information (synchronously or asynchronously), and analyze the results with insight. SmartChoice's menus make it easy to import multimedia files located anywhere on the network (including animation and video) and attach them to agenda items. SmartChoice's NFS functionality enables ISDN and ATM users to integrate choice processing in their environments. SmartChoice's mail option makes it simple to distribute one's ratings and opinions for asynchronous computer-supported work. SmartChoice is useful for tasks such as evaluating product designs, choosing a vendor, scheduling a meeting, polling an organization or customers, hiring new employees, and conducting performance reviews.

Training, technical support, and customization available.

SmartChoice is a trademark of SmartChoice Technologies Corporation

4.2.13 Software and Services

COMPANY NAME	NI-1 Compatibility NI-2 Compatibility
Telecommuting Resources 912 Oak Hill Avenue Hagerstown, MD 21742 (301) 739-4629	
PRODUCT NAME	Estimated Price
Telecommuting Consulting	Benefits of a telecommuting program pay for the costs in as few as 2 years - as opposed to standard employee benefits which are constant, on-going costs.

Notes

Establishing a Telecommuting Program, just one day per week for your most trusted employees, can significantly improve your bottom line.

Telecommuting increases your ability to attract and retain valuable, highly skilled employees. It can mean less expense for office space, furniture and parking. Telecommuting is an easy and highly effective way to comply with Clean Air Act regulations.

Professional training for your managers and employees helps ensure a successful program with significant benefits for your company.

For information, please contact Marsha L. Fuller, Director of Services.

4.2.13 Software and Services

COMPANY NAME	
Telenetworks 625 Second Street Petaluma, CA 94952 Lauren May (707) 778-8737	NI-1 Compatibility Now NI-2 Compatibility 4Q'93
PRODUCT NAME Adaptable ISDN Software	**Estimated Price** Total Price depends on options selected

Notes

Telenetworks Adaptable ISDN Software is a family of portable communications software products that implement ISDN D-channel signaling protocols - both Basic Rate Interface (BRI) and Primary Rate Interface (PRI) - North American, ETSI, Japanese and other International variants. Telenetworks also offers protocols that are related to ISDN or are used over ISDN B or D channels including X.25, X.31, V.120 and Frame Relay. The software is written in "C" and runs on most popular microprocessors. Device drivers are available for many ISDN and HDLC peripheral devices.

ISDN switch support includes:

- North America: PRI or BRI - AT&T or NTI - Custom and National ISDN
- France: PRI or BRI - VN2+VN3
- Germany: PRI or BRI - 1TR6
- Japan: PRI or BRI - NTT + KDD
- Australia: PRI or BRI - TPH1856/TPH1962
- U.K.: PRI - DASS2
- ETSI NET3: BRI - NET3 U.K. Swiss and Italian (CTS-2) variants
- ETSI NET5: PRI - NET5 Belgian and Swiss variants

Please call for details of current and new product offerings.

Software purchase includes source code, detailed documentation, training, and technical support. Additionally, Telenetworks offers engineering consultation and custom software development services in support of its products.

4.2.13 Software and Services

COMPANY NAME TeleSoft International Inc. 1001 Snowden Farm Road Collierville, TN 38017 Chris Cox (512) 282 - 6701 FAX: (512) 282-0789	NI-1 Compatibility Yes NI-2 Compatiblilty 4Q93
PRODUCT NAME TsLink3 ® ISDN and Frame Relay Source Code Modules	Estimated Price Varies with number of modules

Notes

ANSI 'C' Modules for Q.931, Q.921 LAPD, X.25 LAPD
Low Level Drivers for AMD, Siemens, Motorola and National Semiconductor.
Ported to: 80X86
MC68302
AM29000
Switch Profiles:

US:	NI-1, 5ESS, DMS100
Europe:	EURO-ISDN NET3, FRANCE VN2/3, Germany ITR6, UK ISDN-2
Japan:	NTT INS Net 64

Rate Adaption V.120, V.110
X.25 on two B channels
AT Command Set Interpreter
Integrated and Standalone Frame Relay

TsLink3 is a registered trademark of Telesoft International, Inc.

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