

IBM 3270

Access to MARK 3000™ Service

Worldwide 3270 Connectivity to MARK 3000™ Service

Making Information Work For You

Making information work for you means developing and integrating information systems to fit your business needs. Systems that get the job done quickly, efficiently.

Key resources needed to make information work for you include the right capabilities, products, and people. People who can understand your business, its objectives and issues, and help apply the right mixture of software, teleprocessing, computing power, and hardware.

Companies around the world rely on General Electric Information Services capabilities to help get the job done efficiently and economically.

Among these capabilities are:

- The world's largest commercially available teleprocessing network. Accessible by local telephone call in nearly 60 countries, 24 hours a day, 365 days a year. Handling half a million users per day, transmitting over 400 million characters per hour.
- MARK*NET™ Value Added Network Services, supporting asynchronous, synchronous, and X.25 protocols.
- IBM-compatible MARK 3000™ Service, operating on IBM's largest computers, 3081's and 4381's, and running under MVS/XA and VM systems.
- GEISCO's own remote computing service called MARK III® Foreground Service.
- Integration products that let microcomputers communicate with hosts, control distribution of software, and transfer data between micros and mainframes.
- A wealth of other products and services, from 20 years of experience and a client base of 6,000 corporations and major trade associations. Focused on controlling movement of goods and services, electronic data interchange between companies, automated clearinghouses, and office communications.
- Over 6,000 computing and business professionals worldwide, who provide custom software design, development, installation, and consulting.

MARK 3000 Service

General Electric Information Services offers an IBM-based resource for global on-line processing solutions: MARK 3000™ Service. With value-added communications, security, software, and professional services capabilities, MARK 3000 Service is especially suited for addressing stringent on-line and host-to-host processing requirements. It includes all the built-in, IBM-based capabilities you need to ensure ease-of-use, reliability, expandability, and flexibility for crucial on-line systems. MARK 3000 Service is based on standard IBM operating systems software, MVS/XA.

The MARK 3000 Service capability includes on-line production processing, enhanced with productivity tools and information management (end-user) computing software. Examples include providing worldwide access to your applications and associated data bases, plus program development.

3270 Access to MARK 3000 Service

3270 Access supports the operations of the IBM 3270 Information Display Systems and other systems that emulate IBM 3270 Information display Systems.

GE Information Services Company provides 3270 Access so that 3270 system users can connect their terminals on a worldwide basis to our MARK 3000 Teleprocessing Services.

Users in the United States can gain access to the network via dedicated/private access connections at any of 63 U.S. locations, or at any of 200 U.S. locations via public dial-in access connections. International users can access our network facility in 25 foreign countries.

MARK 3000 3270 Access is available using both the Binary Synchronous Communication (BSC) and the System Network Architecture/Synchronous Data Link Control (SNA/SDLC) protocols.



U.S.A.

**INFORMATION
SERVICES**

Display System Connection

Each station in a cluster can access a different 3270 application, which can eliminate the need for duplicate equipment, communications facilities, and network management. Features available for the display system connection include:

- **Connectivity**
 - Dedicated leased-line (single and multi-drop) connections via full-duplex communications facilities
 - Public Dial-in connections via half-duplex, two-wire switched facilities
 - Private Dial-in connections via half-duplex, two-wire switched facilities
- **Transmission Speeds**
 - 2400-to-9600 bps for leased line connections
 - 2400-to-4800 bps for dial-in connections
- **United States Access Locations**
 - Sixty-three (63) major U.S. locations for dedicated private connections
 - Two hundred (200) major U.S. locations for public dial-in connections
- **International Access Locations**
 - 25 foreign locations
 - Dedicated connections
 - Public dial connections
- **Network Management**
 - Complete installation
 - Full diagnostic and trouble-reporting facilities
 - Fast field service/maintenance
 - Full agency agreement

Host Connection

MARK 3000 Service host processors connect to the GE Information Services' network via redundant, high-speed interfaces to provide for reliable and cost-effective communication with 3270 terminal clusters.

Controllers, Display Devices, and Printers

The GE Information Services Network can provide the communication connection between MARK 3000 Service processors and terminals operating with the IBM 3270 BSC or SNA/SDLC protocol and EBCDIC data formats. The controllers, display devices, and printers supported as part of this service include:

- **Controllers (3270 BSC or 3270 SNA/SDLC operating mode as appropriate)**
 - IBM 3271
 - IBM 3274
 - IBM 3276
 - Personal computers and plug-compatibles in emulation mode
- **IBM Display Devices (1920-Character Display 3270 SNA/SDLC or 3270 BSC operating mode as appropriate)**
 - IBM 3178
 - IBM 3277
 - IBM 3278
 - IBM 3279
 - IBM 3290
- **IBM Printers (3270 SNA/SDLC or 3270 BSC operating mode as appropriate)**
 - IBM 3262
 - IBM 3284
 - IBM 3286
 - IBM 3287
 - IBM 3288
 - IBM 3289

Hosts, Front Ends, and Software

The MARK 3000 Service IBM Processors, front ends, and software available as part of this service include:

- IBM 3090 and 308X Hosts
- IBM 3725 Front Ends
- VTAM/NCP Host
- Operating Systems
 - MVS/XA
 - VM
- System Software
 - TSO
 - SPF
 - CICS
 - IMS/DC

Network Access Features

Data Transport

3270 Access is designed for fast response on interactive transaction-oriented applications. Our worldwide network supports more than 85 GE and client hosts today, servicing up to 3500 users simultaneously. Peak character volumes exceed 200 million/hour.

Access Control

The MARK 3000 3270 access sign-on procedure includes a user number, a personal password, and a resource address. This information is validated before a network connection is established, to preclude unauthorized access to MARK 3000 Service resources.

Network Management/Field Service

Trained GE Information Services personnel assist in all phases of network operations, from planning the initial configuration to installing and maintaining network hardware, software, and circuits.

With over 200 skilled professionals strategically placed around the world, GE Information Services can quickly provide experi-

enced personnel to install parts of your telecommunications interface with our network. These Network Operations team members monitor, trouble-shoot, and repair the GE Information Services Network interface equipment; and, in cases where GE Information Services Company manages your leased line, work with the telephone company should problems occur.

Client Assistance

Our Client Services personnel are available 24 hours a day, seven days a week via a toll free telephone number (800*638-8730) to provide assistance and problem resolution.

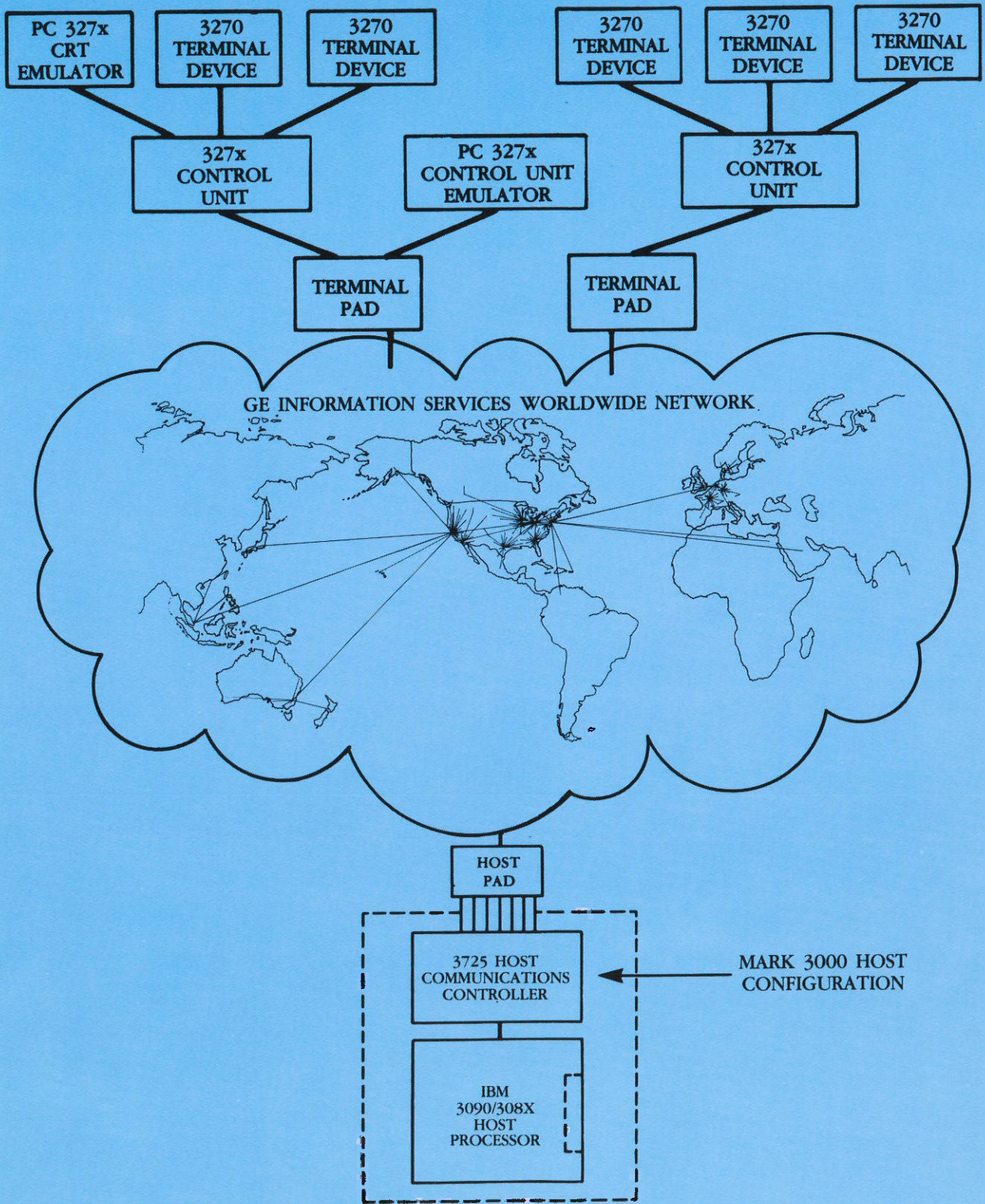
International users are supported by international GE Information Services distributors in nearly 30 countries. For a list of these distributors by country, refer to the International Access Directory (publication 1401.01).

Related Documentation

For background information related to this service, refer to:

- MARK 3000 Service product profile (publication 2051.55)
- MARK 3000 3270 Simulator product profile (publication 2051.59)
- MARK 3000 Service 3270 Access User's Guide (publication 2051.07D-11)
- MARK 3000 MVS Service User's Guide (publication 2051.07)
- MARK 3000 VM Service User's Guide (publication 2910.16)
- SIM/PC User's Guide (publication 2051.68)
- SIM/PC product profile (publication 2051.70)
- International Access Directory (publication 1401.01)

MARK 3000™ 3270 ACCESS



Access from the 327x Control Unit to the Terminal Pad network node is via leased telephone line (up to 9600 bps) or dial-up telephone line (2400 and 4800 bps).



General Electric Information Services Company, U.S.A.