



# ***TYMNET Global Network Services***

*Interim Rate Summary-April 1992*

# BT

## TYMNET GLOBAL NETWORK SERVICES RATE SUMMARY

TYMNET Global Network (TGN) services are currently available in Australia, Asia, Europe, Japan and North America. Service availability varies by country and local regulation. This rate summary includes pricing for services used exclusively in the United States, and pricing for TYMNET Global Network countries. United States pricing is limited to the contiguous 48 states unless otherwise noted. For information on pricing or services in other countries, contact your sales representative.

### Customer Account and Username Charges

Each customer account will incur a monthly charge for administrative services, which includes one summary report in printed form, and an invoice for services used during the month. There will also be a monthly charge for each username. Optional machine-readable accounting tapes and additional printed reports can be ordered for an additional monthly charge. Other account charges may apply to some BT Services.

Service	Monthly Rate
Customer account charge, per account	\$200
Outdial account charge	25
International Outbound account charge*	25
Subaccount Master account charge	115
Subaccount account charge	35
Username charge, per username**	4
Printed reports, per report	
Formats PR1 - PR10	250
Format PR11	150
Formats PR12 and PR15	100
Subaccount reports PR13-PR16	50
Machine readable detail tape, per tape	
Version 1	400
All others	200
* \$25.00 one time installation charge in addition to monthly charge.	
** Step level rates are available for accounts with more than 500 usernames.	

### Minimum Session Charges

The following minimums are charged for all sessions originating from each type of network interface specified below.

Interface Type	Minimum
U.S. High-density public access port	2.5 minutes
U.S. Medium-density public access port	2.0 minutes
U.S. Low-density public access port	1.5 minutes
Global Network public access	2.5 minutes
U.S. 800 service	1.5 minutes
U.S. Transaction services	N/A
All other interfaces	6.0 kilocharacters

# TYMNET GLOBAL NETWORK SHARED ACCESS SERVICES

## U.S. Dial-Up Access Services

Rates vary based on the service option selected, but will typically include a combination of connect-time charges or an interface charge, plus, in most instances, a charge for characters transmitted.

Network customers choose to be billed either by standard usage or by the File Transfer Billing Option for their shared network account. Both options may be selected, however, two separate accounts must be established, with applicable account charges.

The table below outlines the traffic charges that apply to the TYMNET public access service options. To determine the customer's hourly rate, select the appropriate access method from the first column, then read across and add applicable character charges and surcharges.

Basic Connect-Time Charges	Surcharge and Character Charges					Character Charges per Kchar	Public X-PC Characters per Kchar
	Medium Density Surcharge	Low Density Surcharge	800 Service Surcharge	File Transfer Surcharge 300-2400 bps			
<b>Standard Usage Option</b>							
Peak-time* basic rate per hour**	\$2.50	\$7.00	\$18.75	N/A	First 10,000: \$0.06 Next 40,000: 0.05 Next 100,000: 0.04 Next 100,000: 0.03 Over 250,000: 0.02	First 100,000: \$0.015 Over 100,000: 0.010	
Off-peak* basic rate per hour All hours: 2.30	1.00	2.25	15.00	N/A	All: 0.01	All: 0.006	
<b>File Transfer Billing Option</b>							
Peak-time basic rate per hour First 1,000 hours: 4.45 Next 1,000 hours: 3.45 Next 3,000 hours: 2.70 Over 5,000 hours: 2.20	2.50	7.00	18.75	3.50	Do not apply	First 100,000: 0.015 Over 100,000: 0.010	
Off-peak basic rate per hour All hours: 2.30	1.00	2.25	15.00	1.50	Do not apply	All: 0.006	

\* Peak-time - 6 am-7 pm business days, local time at the originating TYMNET node location: Sessions that begin in peak time and end in off-peak time (or vice-versa) will be prorated. Business days are defined as Monday through Friday, with the exception of the following BT North America holidays: New Year's Day, July Fourth, Labor Day, Thanksgiving, and Christmas.

Off-peak - all other hours, weekends, holidays.

\*\* Extended term discounts are available. See your sales representative.

## U.S. Transaction Pricing

The customer with a considerable amount of dial-up, transaction-oriented traffic may choose BT transaction rates for all sessions 40 seconds or less and 200 characters or less. Sessions qualifying for transaction rates are not charged for connect-time or characters transmitted. Sessions that exceed either the connect-time maximum or the character maximum are charged standard connect-time and character rates. There is a minimum charge of \$500 per month for this service.

Number of Sessions	Rate Per Session
1 - 500,000	\$0.08
500,001 - 1,000,000	0.07
1,000,001 - 1,500,000	0.06
1,500,001 - 2,000,000	0.055
Over 2,000,000	0.05
All 800 Transactions	0.33

## U.S. Public Outdial

Each Public Outdial customer will incur a monthly Outdial Account Charge of \$25 in addition to the Customer Account Charge. In addition to connect-time charges, kilocharacter charges and surcharges associated with the origination port, the customer will be charged connect-time charges and surcharges associated with the outdial port. The customer will also be charged 115% of the most generally applicable tariffs associated with each Outdial Phone call, plus a \$0.05 call setup fee per call.

## GLOBAL NETWORK DIAL-UP ACCESS

Dial-up asynchronous access to the TYMNET Global Network is available at 300 bps to 2400 bps from the following TYMNET Global Network countries.

Country	Region	Country	Region	Country	Region
Australia	Pacific	Germany	Europe I	Netherlands	Europe I
Austria	Europe II	Hong Kong	Hong Kong	New Zealand	Pacific
Belgium	Europe I	Ireland	Europe II	Norway	Europe II
Canada	Canada	Italy	Europe II	Portugal	Europe II
Denmark	Europe II	Japan	NIS	Spain	Europe II
Finland	Europe II	Luxembourg	Europe I	Sweden	Europe II
France	Europe I	Mexico	Mexico	United Kingdom	Europe I
				United States	U.S.A.

Dial-up rates vary based on origination and termination countries. Minimum session charge is for 2.5 minutes. Hourly charges include unlimited characters.

From	Hourly Rate								
	Canada	Europe I	Europe II	Hong Kong	NIS/Japan	Mexico	Pacific	UK	USA**
Canada	*	\$18.00	\$20.00	\$30.00	\$24.00	\$18.00	\$24.00	\$18.00	*
Europe I	18.00	8.00	10.00	30.00	24.00	22.00	24.00	8.00	18.00
Europe II	20.00	10.00	12.00	30.00	24.00	24.00	24.00	10.00	20.00
Hong Kong	30.00	30.00	30.00	***	24.00	***	24.00	30.00	30.00
NIS/Japan	24.00	30.00	30.00	24.00	***	***	30.00	30.00	30.00
Mexico	18.00	24.00	24.00	***	***	***	***	22.00	18.00
Pacific	24.00	24.00	24.00	24.00	24.00	***	24.00	24.00	24.00
UK	18.00	8.00	10.00	30.00	24.00	22.00	24.00	8.00	18.00
USA**	*	18.00	20.00	30.00	24.00	18.00	24.00	18.00	*

\* Standard TYMNET USA and TYMNET Canada peak and off-peak rates and surcharges apply.  
 \*\* Where 800 service is used, WATS surcharges apply.  
 \*\*\* See your sales representative for availability of service and pricing.

# TYMNET GLOBAL NETWORK DEDICATED ACCESS SERVICES

## U.S. DEDICATED ACCESS SERVICES

### U.S. Private Access Ports

Private Access Ports are provided at most TYMNET U.S. locations. Charges depend on speed of access, type of connection made, and the classification of the city in which the port is provided. Service includes full-period maintenance, and, in the case of dial-up access, a switched business line and one modem at the port. For leased access ports, BT will provide modems at a fixed monthly charge and leased lines at 120% of the applicable common carrier tariffs rates. X.25 dial-up ports include a switched business line and two modems. Rotary option is available with dial-up access. See your sales representative for modem rates.

Type of Connection	Monthly Rate Per Port			Installation
	----- City Density -----			
	High	Medium	Low	
Dial-up, 110-1200 bps	\$ 250	\$ 400	\$650	\$ 500
Dial-up, 2400 bps	325	450	N/A	500
Dial-up 9.6 kbps	450	525	N/A	500
Bundle of 8 dial-up PAPs, same site	1,600	2,600	N/A	1,000
Dial-up X.25, 2400 bps	350	400	N/A	450
Dial-up X.25, 9.6 kbps	500	550	N/A	450
Leased line, 110-1200 bps	200	350	600	500
Leased line, 2400 bps	250	375	N/A	500
Leased line, 9.6 kbps	375	450	N/A	500

### U.S. XLINK Express X.25 Leased Line Private Access Ports

XLINK Express is a leased-line Private Access Port service for X.25 interfaces at speeds up to 19.2 kbps. Each service includes an X.25 port with specified channels, two modems, a leased line\*, full period maintenance, and all kilocharacters.

Type of Connection	----- Monthly Rate Per Port -----				Installation
	8 Virtual Circuits	16 Virtual Circuits	32 Virtual Circuits	64 Virtual Circuits	
X.25, 2400 bps	\$650	\$ N/A	\$ N/A	\$ N/A	\$ 900
X.25, 4800 bps	750	800	N/A	N/A	1,000
X.25, 9.6 kbps	850	900	950	1,000	1,200
X.25, 14.4 kbps	N/A	N/A	1,350	1,400	1,600
X.25, 19.2 kbps	N/A	N/A	1,500	1,600	1,600

\*A surcharge of 120% will be applied for any leased line tariff charge in excess of \$175.00.

## U.S. Asynchronous Interfaces, 300 to 4800 bps

Asynchronous terminal and host interfaces operating on Customer Premise Equipment provide asynchronous access to the TYMNET Global Network. Service includes cable (up to 50 feet) for connecting equipment to customer's host and/or terminals, and full-period maintenance. Customer Premise Equipment and a direct connection to the TYMNET network must be ordered separately.

Number of Ports	Monthly Rate		
	Terminal	Host	Installation
Up to 4	\$ 100	\$ 200	\$ 100
8	150	300	100
16	300	600	200
32	500	1,100	300
48	750	1,250	350
64	1,000	1,400	400
80	1,250	1,550	450
96	1,500	1,700	500
112	1,750	1,850	550
128	2,000	2,000	600

## U.S. Synchronous Interfaces

Synchronous terminal interfaces (TIF) and host interfaces (HIF) are available to support the protocols listed below. Charges are for the provision of a protocol service for a single customer for a single TYMNET Global Network location or on a single piece of Customer Premise Equipment. Service includes full-period maintenance. For a host interface, a network connection or Customer Premise Equipment is required for connection to the TYMNET network. For terminal interface dial-up facilities, a dedicated dial-up network connection is required. For terminal interface leased line ports, leased lines will be provided by BT at 120% of the most generally applicable tariffs. See your sales representative for modem rates.

Interface Type	Monthly Rate	Installation
X.25 BSC or HDLC	\$ 300	\$ 450
3270 BSC TIF	300	450
3270 BSC HIF	400	450
3270 SNA/SDLC TIF	300	700
3270 SNA/SDLC HIF	500	700
SDLC	300	450
RJE/HASP	300	450
CMT option*	500	400

\*3270 Terminal Emulation for character-mode terminals.

## U.S. Multipoint SDLC Interface Service

Multipoint SDLC service allows several links to share a single SDLC interface. SDLC software, two modems, and a leased line\*, or two modems and a business line at the TYMNET site, full period maintenance, and all kilocharacters are included in the service. A monthly surcharge of \$150 is applied to service in Hawaii.

Interface Type	Monthly Rate	Installation
Leased Line 4.8 kbps TIF	\$ 500	\$ 1,200
Leased Line 9.6 kbps TIF	650	1,200
Dial-up 4.8 kbps TIF	400	1,000
Dial-up 9.6 kbps TIF	550	1,000
9.6 kbps HIF	900	1,200
19.2 kbps HIF	1,600	2,000
56 kbps HIF	4,200	3,000

\*For 56 kbps leased lines a surcharge of 120% is applied to the most generally applicable tariff charge in excess of \$1,445. For leased lines other than 56 kbps a surcharge of 120% is applied to the most generally applicable tariff charge in excess of \$175.

## U.S. Customer Premise Equipment Services

Asynchronous terminal and host interfaces are always provided via Customer Premise Equipment (CPE) Services. While synchronous interfaces are usually provided via TYMNET facilities, a customer may find it desirable to provide them from equipment on the customer's site. Customers must order the software interface, the network connections, and the traffic or billing options separately. Service includes hardware, full-period maintenance and cables (up to 50 feet) used to connect CPE to customer's host and/or terminals. See your sales representative for current CPE hardware selection and rates.

## U.S. Network Connections

Network connections can be ordered between a customer's site and a TYMNET service office. Charges depend on speed and type of connection (leased-line or dial-up). Full period maintenance, a pair of synchronous modems, and a leased line of up to 50 miles in length are included with the charges for a leased-line network connection. A dial-up network connection includes a business line and one dial-up modem at the TYMNET site. The customer must order a business line and modem at the customer's site. Dial backup can be obtained for leased-line connections. There is a mileage surcharge on leased lines over 50 miles.

Connection Speed	Monthly Rate	Installation*
2400 bps leased line	\$ 800	\$1,200
4800 bps leased line	900	1,200
9.6 kbps leased line	1,200	1,200
14.4 kbps leased line	1,500	1,200
19.2 kbps leased line	2,000	1,200
56 kbps leased line	**	**
4800 bps dial-up	400	750
9.6 bps dial-up	525	750
* \$1,000 if installed concurrently with Customer Premise Equipment or synchronous interface.		
** Contact your sales representative for quotation.		

## U.S. Global Network Dedicated Access Surcharge

Dedicated access service to the TYMNET Global Network that originates in the U.S. incurs a monthly surcharge for TGN access as well as the U.S. interface charge. The surcharge is based on the kilocharacter volume level selected and the line speed. Characters transmitted between the dedicated interface and non-U.S. locations are included up to the volume level selected. Kilocharacters transmitted between the dedicated interface and other U.S. locations are charged at standard U.S. rates. Kilocharacters in and out of a host are billed to the session originating the call. There is no charge to change a customer's dedicated kilocharacter volume level. See your sales representative for dial backup and modem charges.

Kchar Volume Per Month	Monthly Rate			Excess Kchars
	-----Line Speed-----			
	Up to 9.6	14.4 kbps	19.2 kbps	
Kchars not included	\$ N/A	\$ N/A	\$ N/A	\$ 0.15
Up to 10,000	800	1,000	1,200	0.09
Up to 20,000	1,600	1,800	2,000	0.06
Unlimited	2,200	2,400	2,600	0.00



## GLOBAL NETWORK DEDICATED ACCESS SERVICES

Global Dedicated Access Services are available in the following countries.

Australia	France	Japan	Portugal
Austria	Germany	Luxembourg*	Spain*
Belgium	Gibraltar	Mexico	Sweden
Canada	Hong Kong*	Netherlands	Switzerland
Denmark	Ireland	New Zealand	United Kingdom
Finland*	Italy	Norway*	U.S.

\*Access provided by International Private Leased Circuits (IPLC).  
Line-surcharges apply. Services may be limited, contact your sales representative for verification of service availability.

### Global Dedicated Access Services Line Surcharges

Dedicated access services include a leased line of up to 10 kilometers in length and two modems. However, due to the large variation in pricing of leased circuits from country to country, BT has included a surcharge for leased lines in some countries. Surcharges vary by country zone.

Zone	Countries	Monthly zone Surcharge	Monthly Line Surcharge calculation for Leased Lines that exceed 10 kilometers
A	Australia, Belgium, Denmark, France, Germany, Hong Kong, Ireland, Italy, Japan (NIS), Netherlands, New Zealand, Sweden, UK	\$ 0.00	Line cost less \$400.00 (or equivalent) x 115%
B	Austria, Gibraltar	400.00	Line cost less \$800.00 (or equivalent) x 115%
C	Spain	800.00	Line cost less \$1,200.00 (or equivalent) x 115%

\*Note: There are no mileage surcharges for Hong Kong or Gibraltar.

### Global Dedicated Access Surcharges for Japan and Hong Kong

Traffic that originates or terminates in Japan will receive a surcharge of \$0.15 on every kilocharacter. Instead of this kilocharacter surcharge a customer may choose to pay \$250.00 per month and have kilocharacters charged at the standard rate based on the interface and volume level selected. Dedicated services in Hong Kong will incur a \$600.00 per month surcharge.

### Global Network Private Access Ports

Private Access Ports are available in many TYMNET Global Network locations. Rates vary based on the classification of service (Worldwide or Intra-Europe), speed of access, and type of connection. Monthly charges include unlimited characters and B1 maintenance. Dial-up service includes a telephone line and one modem at the TYMNET port. Leased line service includes two modems and a leased line of up to 10 kilometers in length. The following monthly rates apply to locations outside TYMNET U.S. Leased line zone surcharges may also apply.

Type of Connection	Monthly Rate Per Port		
	Worldwide	Intra-Europe	Installation
Dial-up, 300-1200 bps	\$1,250	\$1,000	\$ 500
Dial-up, 2400 bps	1,500	\$1,200	\$ 500
Leased line, 2400 bps	1,750	\$1,400	\$1,500

A surcharge of \$0.15 per kilocharacter is added to Worldwide communications from an Intra-Europe port.

TGN Private Access Ports located in the U.S. can also be used for access internationally. Standard U.S. rates plus an access surcharge of \$500 per month apply.

## Global Network Dedicated Synchronous Ports

Synchronous host and terminal interfaces are available on a per port basis in many TYMNET Global Network locations. Rates vary based on service type, service classification (Worldwide or Intra-Europe), kilocharacter volume level selected and line speed. Monthly charges include kilocharacters within the selected volume level. Service includes two modems, a leased line of up to 10 kilometers in length and B1 maintenance. Kilocharacters in and out of a host are billed to the session originating the call. There is no charge to change a customer's dedicated kilocharacter volume level. Leased line zone surcharges also apply.

### Worldwide Service

Service Type	Kchar Volume Per Month	Monthly Rate			Excess Kchars
		Line Speed			
		Up to 9.6	14.4 kbps	19.2 kbps	
X.25	Kchars not incl.	\$1,100	\$1,800	\$2,300	\$0.15
X.25	Up to 10,000	2,400	2,800	3,300	0.09
X.25	Up to 20,000	3,000	3,400	3,900	0.06
X.25	Unlimited	3,600	4,000	4,500	N/A
IBM Services*	Kchar not incl.	1,200	2,400	2,600	0.15
IBM Services*	Up to 10,000	2,600	3,300	3,500	0.09
IBM Services*	Up to 20,000	3,300	3,900	4,200	0.06
IBM Services*	Unlimited	3,900	4,500	4,800	N/A

### Intra-Europe Service

Service Type	Kchar Volume Per Month	Monthly Rate			Excess Kchars
		Line Speed			
		Up to 9.6	14.4 kbps	19.2 kbps	
X.25	Kchars not incl.	\$1,100	\$1,200	\$1,300	\$0.09
X.25	Up to 10,000	1,200	1,400	1,600	0.06
X.25	Up to 20,000	1,500	1,800	2,000	0.045
X.25	Unlimited	1,800	2,200	2,400	N/A
IBM Services*	Kchar not incl.	1,200	1,300	1,400	0.09
IBM Services*	Up to 10,000	1,400	1,600	1,800	0.06
IBM Services*	Up to 20,000	1,625	2,000	2,200	0.045
IBM Services*	Unlimited	1,950	2,400	2,600	N/A

Installation of a dedicated asynchronous port is \$2,500.

\*IBM Services include the following protocols; 3270 SNA/SDLC, 3270 BSC, SDLC, AND RJE/HASP.

## Global Network Customer Premise Equipment Service

This service consists of three parts: interface software, network connections and Customer Premise Equipment. Each part must be ordered separately.

## Global Network Interface Software Service

Dedicated terminal interfaces (TIF) and host interfaces (HIF), provided on Customer Premise Equipment (CPE), are available in many TYMNET Global Network locations outside the U.S. Service requires that Customer Premise Equipment and a network connection also be ordered.

Interface Type	Monthly Rate	Installation
Async TIF, 16 ports	\$ 325	\$ 300
Async HIF, 16 ports	400	300
Dial-up X.25 TIF	350	750
X.25 HDLC TIF or HIF	350	750
3270 BSC TIF	450	750
3270 BSC HIF	550	750
3270 SNA/SDLC TIF	450	1,000
3270 SNA/SDLC HIF	650	1,000
SDLC TIF or HIF	400	750
RJE/HASP TIF or HIF	450	750

## Global Network Connections

Network connections are available for direct connection of Customer Premise Equipment (CPE) to a TYMNET Global Network node outside the U.S. Monthly rates are based on classification of node (Worldwide or Intra-Europe), selected kilocharacter volume level and line speed. Kilocharacters in and out of a host are billed to the host originating the session. There is no charge to change a customer's dedicated kilocharacter volume level. Service includes two modems and a leased line of up to 10 kilometers in length. Line zone surcharges apply.

### Worldwide Service

Volume Level	Monthly Rate			Excess Kchars
	Line Speed			
	9.6 kbps	14.4 kbps	19.2 kbps	
Kchars not included	\$1,400	\$1,700	\$2,000	\$0.15
Up to 10,000 Kchars	2,000	2,400	2,700	0.09
Up to 20,000 Kchars	2,500	3,000	3,300	0.06
Unlimited Kchars	3,000	3,500	3,900	N/A

### Intra-Europe Service

Volume Level	Monthly Rate			Excess Kchars
	Line Speed			
	9.6 kbps	14.4 kbps	19.2 kbps	
Kchars not included	\$1,000	\$1,200	\$1,400	\$0.09
Up to 10,000 Kchars	1,300	1,600	1,800	0.06
Up to 20,000 Kchars	1,600	2,000	2,200	0.045
Unlimited Kchars	2,000	2,500	2,700	N/A

Installation of a network connection is \$2,500.

## Global Network Customer Premise Equipment

Dedicated interfaces are provided on Customer Premise Equipment (CPE). BT Customer Premise Equipment Hardware can support multiple simultaneous host and terminal protocols. See your sales representative for current hardware selection and rates.

## Additional Global Network Services

### U.S. Gateway Services

Communication between the TYMNET network and other shared or dedicated networks with dissimilar technologies can be provided through X.25 gateway services. In addition, the TYM2 gateway is used to connect a TYMNET technology network to the TYMNET value-added network. Service includes full-period maintenance. U.S. gateway services are provided via a network connection or Customer Premise Equipment Service which must be ordered separately.

Gateway Description	Monthly Rate	Installation
X.25 BSC or HDLC Gateway	\$600	\$750
TYM2 Gateway	600	750

### Global Network Gateway Services

Communication between the TYMNET Global Network and other shared or dedicated networks can be provided through dedicated or shared gateways. Shared X.25 gateway services enable subscribers of Public Network asynchronous PAD services to access the TYMNET Global Network. Dedicated gateways are provided via Customer Premise Equipment Service which must be ordered separately. Service availability varies by country and local regulation.

Gateway Description	Monthly Rate	Installation
Public Data Network Shared X.25 Gateway	\$150 *	\$ N/A
Dedicated Private Network X.25 Gateway	750	1,000
Dedicated Private Network TYM2 Gateway	750	750

\*PDN subscription fees, username charges and hourly rates may also apply, see your sales representative for details.

## U.S. X.PC Error Correction and Menu Service

X.PC error correction and Menu services involve two sessions. The first is from the origination point to the X.PC or Menu service. The second is from the service to the destination point.

Service Description	Monthly Rate	Installation
U.S. X.PC error correction from dedicated interface, 1st	\$500 *	\$750
2nd	450	750
3rd	400	750
4th	350	750
5th - 15th	300	750
U.S. Public Shared X.PC error correction	***	
U.S. Menu service (includes one menu)	300	500
Each additional menu within menu service interface	50	0**
Password Change service	75	

\* Standard connect-time and kilocharacter charges apply to the first session. There are no connect-time or kilocharacter charges applied to the second session(s) except with international or Outdial destinations.

\*\* \$50 if not installed concurrently with the Menu service interface.

\*\*\* There are no fixed charges for public shared X.PC service. Standard connect-time charges and X.PC kilocharacter charges at the rate shown below apply to the first session. Standard kilocharacter charges apply to the second session.

Description	Rate Per Kilocharacter
U.S. Peak public X.PC characters	
First 100,000	0.15
Over 100,000	0.10
U.S. Off-peak public X.PC characters	0.006

## Global X.PC and Menu Service

Availability of public shared Menu Service and X.PC Service varies by country and local regulation. Use of each service involves two sessions. The first session is between the user terminal and the server. The second session is between the server and the destination host.

Description	Monthly Rate*	Installation
Shared Basic Menu Service (includes one menu)	\$650	\$1,000
Each additional menu within the account	65	75
Shared X.PC Error Correction Service	150	N/A
Dedicated Menu Server	250	1,000
Dedicated X.PC Server	650	750

\*Menu Service charge is per customer account. X.PC charge is per username.

## ENHANCED GLOBAL CONNECTION SERVICES

This section covers products and services that primarily involve access between the TYMNET Global Network and other international managed data networks.

### Inbound Service/Prepaid

Traffic coming into the U.S. shared network from outside the U.S. is defined as inbound. Inbound traffic can either be billed by the originating foreign network (prepaid) or by BT (reverse charge). Contact your sales representative for information on inbound prepaid traffic.

### Inbound Services/Reverse Charge

Rates for calls inbound to the U.S. that are not prepaid are listed below. These are calls that originate outside the contiguous 48 states, but are billed by BT. Minimums apply to reverse charge calls. Contact your sales representative for more information.

Geographic Area	Charge Per Kilocharacter	Charge Per Connect Hour
Alaska (via Alascom)		
Peak	.10	4.00
Off-Peak	.05	2.00
Canada (via Datapac)		
Public	.12	1.92
Dedicated	.07	.48
Guam, American Samoa, Saipan	.12	7.00
Hawaii		
Peak	.10	Standard U.S. Rates
Off-Peak	.02	
Japan (via NIS)*	.30 1-10,000 kchars	11.40
	.14 10,001-50,000	
	.12 50,001-150,000	
	.10 Over 150,000	
International Dedicated Connection		1,000.00 Per Month
Mexico (via SCT)	5.00 (Per Kilosegment)	6.50
Puerto Rico, Virgin Islands, Dominican Republic	.10	6.00
*See also the Global Network Dial-Up Access section for rates to / from Japan NIS and other TGN countries.		

## Outbound Services

Shared access calls that originate on the U.S. TYMNET Global Network and are destined for non-U.S. locations are billed at the following rates. In the case of calls going outbound to Alaska or NIS in Japan, the user has the option of being billed by BT or being billed by the destination network. For some outbound calls that originate on dedicated interfaces a discount may apply. Minimum charges apply to outbound international calls.

Geographic Area	Charge Per Connect Hour	Charge Per Kilocharacter	Charge Per Kilosegment
Alaska**	4.00	.10	-
Antigua*	12.00	-	16.00
Argentina*	10.00	.50	-
Australia	10.00	-	12.00
Austria*	10.00	-	12.00
Bahamas*	10.00	.45	-
Bahrain*	12.00	.60	-
Barbados X.75	10.00	-	12.00
Barbados TYM2*	10.00	.45	-
Belgium	10.00	-	12.00
Bermuda*	10.00	.45	-
Brazil	10.00	.50	-
Canada (Datapac)**,**	4.50	.10	-
Cayman Islands*	10.00	.45	-
Chile*	10.00	.50	-
China (PR)	12.00	-	16.00
Columbia	10.00	.50	-
Costa Rica	8.00	-	8.00
Curacao / Netherlands Antilles*	10.00	.45	-
Cyprus	12.00	-	16.00
Denmark	10.00	-	12.00
Dominican Republic X.75	10.00	-	12.00
Dominican Republic TYM2*	10.00	.45	-
Djibouti	12.00	-	16.00
Egypt	10.00	.40	-
Faroe Islands	10.00	-	12.00
Finland	10.00	-	12.00
France	10.00	-	12.00
French Antilles	10.00	-	12.00
French Guyana	10.00	-	12.00
Gabon	12.00	-	16.00
Germany	8.00	-	10.00
Greece*	10.00	-	12.00
Greenland (See Denmark)	10.00	-	12.00
Guadeloupe	10.00	-	12.00
Guam*	10.00	.45	-
Guatemala*	8.00	.40	-
Honduras	10.00	-	12.00
Hong Kong*	12.00	-	16.00
Hungary*	10.00	.45	-
Iceland	10.00	-	12.00
India	12.00	-	16.00
Indonesia	12.00	-	16.00
Ireland	10.00	-	12.00
Israel	12.00	-	16.00
Italy	10.00	.45	-
Ivory Coast	12.00	-	16.00

\* Enhanced Global Connection Services.  
 \*\* No connect-charge discount applies.  
 \*\*\* There is no connect-time charge for calls between dedicated connections on TYMNET U.S. and TYMNET Canada.

Outbound Services (Continued)

Geographic Area	Charge Per Connect Hour	Charge Per Kilocharacter	Charge Per Kilosegment
Jamaica*	8.00	.40	-
Japan	12.00	-	16.00
Japan NIS*,**	11.40	.30	-
Korea	12.00	-	16.00
La Reunion	12.00	-	16.00
Luxembourg	10.00	-	12.00
Macau	12.00	-	16.00
Malaysia	12.00	-	16.00
Malta	12.00	-	16.00
Mexico	6.50	-	5.00
Mozambique	12.00	-	16.00
Netherlands	8.00	-	10.00
New Caledonia	12.00	-	16.00
New Zealand	10.00	-	12.00
Norway	10.00	-	12.00
Panama*	10.00	-	12.00
Peru*	10.00	.50	-
Philippines GMCR*			
CAPWIRE,PHILCOM	12.00	-	16.00
Philippines (ETPI)	12.00	.60	-
Polynesia	10.00	-	12.00
Portugal	10.00	.45	-
Puerto Rico	6.00	.10	-
Reunion Island	10.00	-	12.00
Russia	10.00	-	12.00
Qatar	8.00	-	8.00
San Marino	12.00	-	16.00
Saudi Arabia*	12.00	.60	-
Senegal	12.00	-	16.00
Singapore	12.00	-	16.00
South Africa	12.00	-	16.00
Spain	10.00	-	12.00
Sweden	10.00	-	12.00
Switzerland	10.00	-	12.00
Taiwan*	12.00	.60	-
Thailand	12.00	-	16.00
Trinidad and Tobago*	8.00	-	8.00
Tunisia	12.00	-	16.00
Turkey	12.00	-	12.00
United Kingdom	10.00	-	12.00
United Arab Emirates	12.00	-	16.00
Vanatu	12.00	-	16.00
Virgin Islands (U.S.)*	10.00	.45	-
Yugoslavia	10.00	-	12.00
Zimbabwe	12.00	-	16.00

\* Enhanced Global Connection Services.  
\*\* No connect-charge discount applies.  
\*\*\* There is no connect-time charge for calls between dedicated connections on TYMNET U.S. and TYMNET Canada.



## TYMUSA

TYMUSA service permits fast and easy access to U.S.-based hosts from foreign locations. Access is based on TYMNET technology. Pricing is determined by country of origin, and is billed in U.S. dollars. Minimum charges may apply. The country list below is updated regularly. Contact your sales representative for current listing.

Description	Charge Per Connect Hour	Charge Per Kilocharacter
TYMUSA Gateway Band 1	.15	10.00
TYMUSA Gateway Band 2	.50	10.00
TYMUSA Gateway Band 3	.80	15.00
TYMUSA Gateway Band 4	.80	28.00
TYMUSA Gateway Band 5	1.00	48.00

### TYMUSA Countries

Country	Band	Country	Band
Antigua	3	Jamaica	2
Argentina	2	Japan	*
Australia	1	Korea	3
Austria	2	Mexico	*
Bahamas	3	Netherlands	1
Bahrain	3	Netherland, Antilles	3
Belgium	1	(Curacao, St. Maarten)	
Bermuda	2	Northern Marianas	*
Canada	*	New Zealand	1
Cayman Islands	3	Panama	3
Denmark	1	Puerto Rico	*
Dominican Republic	3	Philippines	2
France	1	Saudi Arabia	5
Germany	1	Spain	1
Guatemala	2	Sweden	1
Honduras	2	Switzerland	1
Hong Kong*	2	Trinidad & Tobago	2
Israel	3	United Kingdom	1
Italy	1	Virgin Islands (U.S.)	3

\*See Inbound Reverse Charge Service

For customers who wish to purchase or lease their own equipment, BT offers several hardware and software packages, and network management options. See your sales representative for details.

In addition to these TYMNET Global Network Services, BT offers many other international products and services. Your sales representative has pricing and details for all BT products and services. If you would like information on a product or service not specifically referenced in this rate summary, please call your BT sales office or the Telesales Department at 1-800-872-7654.

# SHARED NETWORK TERMS AND CONDITIONS

Unless otherwise specified in a written agreement, the mutual covenants established between BT North America Inc. ("BT") and the customer ("Customer") in connection with any order for equipment, products, and services ("Services") listed in the TYMNET Global Network Services Rate Summary ("Rate Summary") shall be the following:

## 1. Services

Services are provided on a month-to-month basis and may be terminated (subject to third party cancellation costs, if any, which will be passed through to the customer) by either party upon thirty (30) days prior written notice. Customer shall use BT supplied equipment ("Equipment") in a careful and proper manner and in accordance with manuals or instructions, if any, provided by BT. Equipment shall be used by Customer only at the location(s) at which it is installed by BT and shall not be removed or relocated by Customer except as expressly authorized in writing by BT. Upon termination of Services, Customer shall surrender Equipment to BT in the same condition as originally installed, ordinary wear and tear excepted.

## 2. Service Orders

Rate Summary pricing is subject to change upon thirty (30) days prior written notice. BT may provide other services not listed in the Rate Summary at prices mutually agreed upon by BT and Customer.

All orders for BT Service shall be governed by these terms and conditions to the exclusion of any pre-printed terms and conditions contained in Customer's order. All such Customer orders shall, as a minimum, contain the following:

- a. Description of the requested Service
- b. Quantity requested
- c. Unit price, including recurring and nonrecurring charges
- d. Requested installation site
- e. Requested installation date

## 3. Customer Furnished Equipment

In addition to Services ordered from BT, Customer may be responsible for obtaining compatible input/output devices, such as modems, and other communication services necessary to connect to BT's shared network. Customer shall be responsible that such equipment or service is compatible with BT's required interface protocols for initiation and termination of access. In the event that Customer's equipment or applications are not available or in working order, Customer shall be liable for charges for Services ordered from BT whether or not Customer is accessing and making use of BT's network.

## 4. Installation and Maintenance

BT shall install, maintain, and repair Equipment and will provide to users of the Services such training, instructional material, and other support services as are generally made available to BT. Customer shall not perform, or permit others to perform, maintenance or repair of Equipment except as expressly authorized by BT in writing, and shall pay the cost of repairs necessitated by any such unauthorized work.

If a Service interruption, defect, or malfunction attributable to equipment or services not provided by BT results in a maintenance or repair visit by or on behalf of BT, Customer shall pay BT's established rates for labor time, materials, and reasonable travel expenses.

Customer shall permit BT access to Equipment, subject to Customer's reasonable security regulations, to enable BT to perform any necessary inspection, testing, maintenance, repair, or marking.

Upon termination of Service, Customer will make Equipment available to BT for removal, which shall be accomplished in a careful, workmanlike, and reasonably expeditious fashion. BT shall not be obligated to restore the premises to their original conditions.

If upon termination of Service Customer shall fail or refuse to make Equipment available for removal by BT, then, in addition to all other remedies at law or in equity available to BT, all obligations of Customer under these terms and conditions shall remain in full force and effect until such removal is accomplished. The charges paid by Customer for Services during such period shall be BT's then current rates.

## 5. Charges and Payment

Service charges shall be invoiced to Customer monthly. Charges for a partial month for those services which are prorated shall be based on a thirty (30) day month. All other charges shall be invoiced as they are incurred. Invoices are due and payable upon receipt. Payments shall be

made to the address indicated on the invoice. Payments shall be made in U.S. dollars, drawn on a U.S. bank.

Customer agrees to pay all charges incurred on Customer's account(s) in accordance with the prices contained in the then current BT Rate Summary in effect for the billing period in which Services are purchased or rendered. In the absence of BT's negligence, Customer shall be responsible for any charges incurred by third parties who have gained unauthorized access to Customer's I.D./password. BT will change Customer's I.D./password immediately upon receipt of written notification by Customer of such unauthorized use.

Interest at the rate of one and one-half percent (1-1/2%) per month, or eighteen percent (18%) per annum, (unless proscribed by law, in which event the highest rate allowed by law) may be charged on any unpaid amount commencing thirty (30) days after date of invoice.

## 6. Taxes

With the exception of taxes based on the net income of BT, Customer shall pay all taxes, however designated, including but not limited to, sales, use, excise, and any applicable telecommunications taxes, on Services and materials furnished under these terms and conditions. Customer agrees to reimburse BT for all amounts paid or payable in discharge of the foregoing taxes.

## 7. Order Cancellation

If Customer cancels an order for Service within five (5) days of the date of such order, Customer shall have no liability to BT for the charges for such cancelled Service. Thereafter, BT may assess applicable installation charges and one month's charge for the cancelled Service.

## 8. Financial Information

Customer shall furnish BT with such financial information as BT may, from time to time, reasonably request for the purpose of establishing and maintaining Customer's credit standing. All orders pursuant to these terms and conditions shall be subject to BT's credit approval. BT may require a prepayment or deposit, or both, if in its sole discretion it deems it necessary.

## 9. Title and Risk of Loss

All Equipment shall remain the sole and exclusive property of BT or its assigns, and nothing contained herein shall give or convey to Customer any right, title, or interest whatsoever in the Equipment, which shall at all times be and remain personal property, notwithstanding that it may be or become attached to or embedded in realty. BT shall be entitled, at any time, to affix to Equipment a label indicating the interest of BT or any assignee of BT.

BT shall bear the risk of loss or damage to Equipment, except that Customer shall be liable for any loss or damage to Equipment arising from Customer's negligence, intentional act, unauthorized maintenance, or other cause within the reasonable control of Customer, its employees or agents. In the event of any loss or damage to Equipment for which Customer is liable, Customer shall reimburse BT for the reasonable cost of repair or replacement.

## 10. Confidentiality

Any and all programs and other materials provided to Customer by BT in connection with Services shall remain the exclusive and confidential property of BT or its licensor, are licensed to Customer solely for use in connection with the Services provided, and shall not be reproduced or copied, except as required for the authorized use of the Services and shall, if in tangible form, be returned upon BT's request. The parties agree neither shall disclose or make available, except to employees or agents of the receiving party who have a need to know, confidential information of the other party which was provided to the receiving party. Any information which shall be protected as confidential information shall be submitted in tangible format and shall be appropriately marked as confidential, or with words of similar import. In order for oral disclosures of confidential information to be protected under these terms and conditions, all such disclosures shall be reduced to writing within thirty (30) days, appropriately marked, and submitted to the receiving party.

The requirements for confidentiality, as set forth herein, shall not apply to the confidential information which: (1) is, or becomes, available to the public by an act not attributable to the receiving party; or (2) can be shown to have been known previously by the receiving party prior to its receipt from the

transmitting party; or (3) is independently developed by the receiving party outside of these terms and conditions; or (4) is rightfully obtained by the receiving party from other parties without restriction on its further disclosure. The provisions of this section shall survive the termination of Services and these terms and conditions for a period of five (5) years commencing upon the termination of Service.

#### **11. Patent and Copyright Indemnification**

BT agrees to defend, indemnify, and hold Customer harmless against any liability or claim that Services provided hereunder, or any portion thereof, is in violation of any U.S. patent, copyright, or trade secret, and BT will pay resulting costs, damages, and attorneys' fees finally awarded, provided that: (1) Customer promptly notifies BT of any such claim; (2) Customer, at BT's expense, provides BT with all information and assistance necessary to defend or settle such liability or claim; and (3) BT has sole control of the defense and all related settlement negotiations.

If such liability or claim occurs, or in BT's opinion is likely to occur, Customer agrees to permit BT, at BT's option and expense, either to procure for Customer the right to continue using the infringing Service or to replace or modify same so that it becomes non-infringing and provides, as nearly as is reasonably possible under the circumstances, the same capability as before.

BT shall have no obligation to defend Customer or to pay any costs, damages, or attorneys' fees for any claim based upon the use of equipment or products obtained independently of BT and not recommended by BT, or based upon the unauthorized use of any component of Services obtained from BT. This section states the entire obligation of BT with respect to infringement of patents, copyrights, and trade secrets.

#### **12. Warranties**

BT warrants that all Services and Equipment provided hereunder will be in good working order and that they will perform in all material respects to BT's published specifications and that Equipment will be free from defects in workmanship, fabrication, or materials. While BT will use all reasonable efforts to ensure the continued availability of Services, BT does not represent or warrant that Services will be available during specified times.

EXCEPT AS SPECIFICALLY MADE HEREIN, BT MAKES NO WARRANTY WHATSOEVER, EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AS TO SERVICES AND EQUIPMENT PROVIDED HEREUNDER.

#### **13. Default**

Any of the following shall constitute an event of default:

(1) Customer's failure to pay any invoice when due and which remains unpaid after Customer's receipt of written notice thereof from BT. Such event shall entitle BT to either interrupt or disconnect Service but shall not relieve Customer of its obligation to pay the monthly charges due for such period of interruption.

(2) Either party's failure to perform or observe any other material term or condition hereunder and which remains uncured for a period of thirty (30) days after the receipt of written notice thereof from the other party.

(3) Customer's assignment for the benefit of creditors, the bulk transfer or sale of all, or substantially all, of Customer's assets, or Customer's admission in writing of its inability to pay its debts generally as they become due.

(4) Customer's attempt, without BT's written consent, to remove, sell, transfer, encumber, part with possession of, or lease any item of Equipment.

(5) An actual or threatened levy or execution upon Equipment.

In the event a default occurs, the nondefaulting party, in addition to any other rights available to it under law or in equity, may withhold its performance under these terms and conditions or terminate Services by written notice thereof to the defaulting party. If BT is the nondefaulting party, BT may repossess Equipment and withhold its performance until the event of default is cured. Remedies shall be cumulative and there shall be no obligation to exercise a particular remedy.

#### **14. Limitations of Liability; Exclusive Remedy**

In the event Customer experiences a partial or total failure, malfunction, or

defect in any Service provided hereunder, Customer shall, as a condition to any claim for refund or recovery of damages, immediately notify BT by telephone call to the designated service office and shall confirm such notice in writing within five (5) business days.

BT's total liability, and Customer's sole and exclusive remedy, for damages sustained by Customer for any partial or total failure, malfunction, or defect of Service, whether caused by breach of contract, negligence, fault, or by any other cause whatever, and regardless of the form of action, whether in equity, contract, tort, or otherwise shall be limited to one month's charges applicable to the Services directly involved in the failure, malfunction, or defect.

Any legal action arising out of or involving any partial or total failure, malfunction, or defect in any Service provided to Customer must be brought within two (2) years of the occurrence.

NEITHER PARTY WILL IN ANY WAY BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES SUSTAINED OR INCURRED IN CONNECTION WITH THE PROVISION OR USE OF SERVICES PROVIDED UNDER THESE TERMS AND CONDITIONS, WHETHER SUCH DAMAGES ARISE FROM BREACH OF CONTRACT, NEGLIGENCE, FAULT, OR FROM ANY OTHER CAUSE WHATEVER, WHETHER OR NOT SUCH DAMAGES WERE FORESEEN OR UNFORESEEN.

#### **15. Exportation of Technical Data**

Products and technical data, including training and software, furnished by BT, as well as any indirect products thereof, are presently licensable and regulated by the U.S. Department of Commerce. To either export from the United States or reexport from any country requires a valid license from the U.S. Department of Commerce. Diversion contrary to United States law is prohibited.

#### **16. Force Majeure**

Neither party shall be liable in any way for losses or damages sustained by the other party due to events beyond its control, including, but not limited to, fires, power failures or surges, strikes, riots, war, governmental regulation or appropriation, the failure to perform by suppliers or vendors, acts of God, or similar causes.

#### **17. Assignment**

Neither Customer nor BT may assign its respective rights and obligations under these terms and conditions without the prior written consent of the other, which shall not be unreasonably withheld; provided, however, that BT may, without Customer's consent, assign its rights hereunder to a successor in interest or its rights to receive payments hereunder to another party.

#### **18. Notices**

Any notice permitted or required under this Agreement (with the exception of telephone notice of failure, malfunction, or defect in Service) shall be in writing and sent by courier or certified mail, return receipt requested. Such notice shall be considered to have been given as of the date on the receipt.

#### **19. Amendment or Waiver**

No amendment, waiver, or consent to any departure from any provision of these terms and conditions shall be effective unless in writing and signed by authorized agents of both parties.

#### **20. Enforceability**

In the event that any provision of these terms and conditions shall be held invalid or unenforceable by a court of competent jurisdiction or by any future legislation, the remainder of the terms and conditions shall not be affected thereby, and each term and condition hereof shall be valid and enforced to the fullest extent permitted by law.

#### **21. Controlling Law**

THESE TERMS AND CONDITIONS SHALL BE GOVERNED BY THE LAWS OF THE STATE OF CALIFORNIA.

#### **22. Entire Agreement**

These terms and conditions constitute the entire and exclusive agreement between BT and Customer, and supersede all previous representations, understandings, or agreements, oral or written, between the parties. These terms and conditions shall prevail notwithstanding any variance with terms and conditions of any order submitted by Customer.

## Notes

### **BT International Offices**

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