

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 1998

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934
Commission File No. 0-29-092

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED
(Exact name of registrant as specified in its charter)

Delaware 54-1708481
(State or other jurisdiction of (I.R.S. Employer Identification No.)
incorporation or organization)

1700 Old Meadow Road Suite 300 22102
McLean, VA (Zip Code)
(Address of principal executive
offices)

(703) 902-2800
(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
None	N/A

Securities registered pursuant to Section 12(g) of the Act:

Common Stock

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the registrants' knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Non-affiliates of Primus Telecommunications Group, Incorporated held 19,693,026 shares of Common Stock as of February 28, 1999. The fair market value of the stock held by non-affiliates is \$215,392,472 based on the sale price of the shares on February 28, 1999.

As of February 28, 1999, 28,397,877 shares of Common Stock, par value \$.01, were outstanding.

Documents Incorporated by Reference:

Portions of the definitive Proxy Statement to be delivered to Stockholders in connection with the Annual Meeting of Stockholders are incorporated by reference into Part III.

PART I

ITEM 1. BUSINESS

General

Primus Telecommunications Group, Incorporated ("Primus" or the "Company"), organized in 1994, is a facilities-based global telecommunications company that offers international and domestic long distance, Internet access and data, and other telecommunications services to business, residential and carrier customers in North America and in selected markets within both the Asia-Pacific region and Europe. The Company seeks to capitalize on the increasing demand for high-quality international telecommunications services resulting from the globalization of the world's economies and the worldwide trend toward telecommunications deregulation and the growth of data and Internet traffic. Primus provides service over its global telecommunications network (the "Network") that includes (i) 12 international gateway switches in the United States, Australia, Canada, Germany, Japan, Puerto Rico and the United Kingdom, (ii) four domestic switches in Australia, (iii) data and Internet access services in Australia and Canada, (iv) both owned and leased transmission capacity on undersea and land-based fiber optic cable systems and (v) an international satellite earth station located in London. Utilizing this Network, along with resale arrangements and foreign carrier agreements, the Company provides service to approximately 450,000 customers.

The Company primarily targets customers with significant international long distance usage, including small- and medium-sized businesses, multinational corporations, ethnic residential customers and other telecommunications carriers and resellers. The Company provides competitively priced telecommunications services, including international and domestic long distance services and private networks, reorigination services, prepaid and calling cards and toll-free services, as well as local services in Australia, Puerto Rico and the United States Virgin Islands, cellular services in Australia, and Internet and data services in Australia and Canada. The Company markets its services through a variety of channels, including a direct sales force, independent agents, and direct marketing.

North America

In the United States, Primus provides long distance services to small- and medium-sized businesses, multinational corporations, residential customers, and other telecommunications carriers. The Company operates international gateway telephone switches in New York City, New Jersey, Washington, D.C., Fort Lauderdale, Puerto Rico and Los Angeles which are connected with countries in Europe, Latin America and the Asia-Pacific region through owned and leased international fiber cable systems. The Company maintains a direct sales organization to sell to business customers. To reach residential customers, the Company advertises nationally in ethnic newspapers and other publications, offering discounted rates for international calls to targeted countries. The Company also utilizes independent agents to reach and enhance sales to both business and residential customers and has established a direct sales force for marketing international services to other telecommunications carriers. The Company maintains a national customer service center in Florida, staffed with multilingual representatives, and operates a 24-hour global network management center in Virginia that monitors the Network. In addition to international long distance services, the Company provides local service in Puerto Rico and the United States Virgin Islands.

In Canada, Primus provides long distance services to small- and medium-sized businesses, residential customers, and other telecommunications carriers and has sales and customer service offices in Vancouver, Toronto and Montreal. Primus operates international gateway switches in Toronto and Vancouver, maintains points of presence in Ottawa, Montreal, Calgary and leases inter-exchange circuits in Canada. In February 1999, Primus acquired GlobalServe Communications, Inc., an Internet service provider based in Toronto and now offers Internet services in Canada.

Asia-Pacific

Primus is the fourth-largest long distance company in Australia, providing

domestic and international long distance services, data and Internet services, as well as local and cellular services on a resale basis, to small- and medium-sized business customers, multinational corporations, and ethnic residential customers. In 1997, the Company installed and began operating a five-city switched network using Northern Telecom switches in Sydney, Melbourne, Perth, Adelaide, and Brisbane. This has since been expanded to include points of presence in twenty-five additional cities. The Company purchased international fiber cable capacity and has linked the Australian network to the United States via the TPC-5, APCN, and Jasaurus cable systems, as well as to New Zealand. Primus became a fully licensed facilities-based telecommunications carrier in July 1997. In August 1997, equal access was introduced in Australia, and Primus began the process of migrating and connecting customers directly to its own network. Primus markets its services through a combination of direct sales to small- and medium-sized business customers and large corporations, independent agents which market to business and residential customers, and media advertising aimed at ethnic residential customers who make a high volume of international calls. The Company operates 24-hour customer service and a network management centers in Australia.

In March 1998 the Company purchased a 60% interest in Hotkey Internet Services Pty., Ltd., an Australia-based Internet service provider and in February 1999 purchased the remaining 40%. In March 1998, the Company purchased all of the outstanding stock of Eclipse Data Services Pty., Ltd., an Australia-based data communications service provider. These strategic acquisitions positioned the Company to offer a complete range of voice and data services, as well as Internet access, to its customers.

Primus also entered the Japanese market in late 1997 through the acquisition of Telepassport Network KK. Primus maintains an office in Tokyo and a Northern Telecom switch to provide international calling services to resellers and small businesses. In March 1999, Primus Telecommunications K.K. ("Primus Japan") received a Type I carrier license in Japan that allows Primus Japan to construct, own and operate telecommunications facilities in Japan.

Europe

Primus is a fully licensed carrier in the United Kingdom, Germany and France and provides national and international long distance services to residential and business customers and other telecommunications carriers in the United Kingdom and Germany. In the United Kingdom, Primus operates an Ericsson AXE-10 international gateway switch in London that is directly connected to the United States and continental Europe. The Company has also completed construction of an Intelsat earth station that will enable the Company to carry voice, data and Internet traffic to and from countries in the Indian Ocean/Southeast Asia region. Primus maintains both a 24-hour customer service call center and a network management center in London. Primus markets its services using a combination of direct sales representatives, independent agents, and direct media advertising primarily.

In Germany, Primus has been awarded a switched voice telephone license and operates an Ericsson AXE-10 international gateway switch in Frankfurt, Germany. Primus has begun marketing its services in Germany through carrier and retail direct sales forces in Munich, Frankfurt, Hamburg and Berlin and to residential customers through affinity marketing agreements.

In France, Primus has been awarded a switched voice license and is currently installing and interconnecting an Ericsson AXE-10 international gateway switch in Paris.

Primus Strategy

Primus' objective is to become a leading global provider of international and domestic long distance voice, Internet, data and other services. Key elements of Primus' strategy to achieve this objective include:

3

- o Focus on Customers with Significant International Long Distance Usage. The Company primarily targets customers with significant international long distance usage, including small- and medium-sized businesses, multinational corporations, ethnic residential customers and other telecommunications carriers and resellers. The Company believes that the international long distance market is attractive due to its size and its higher revenue per minute, gross margin and expected growth rate as

compared to the domestic long distance market.

- o Pursue Early Entry into Selected Deregulating Markets. Primus seeks to be an early entrant into selected deregulating telecommunications markets where it believes there is significant demand for international long distance services as well as substantial growth and profit potential. The Company believes that early entrance into deregulating markets provides it with competitive advantages as it develops sales channels, establishes customer base, hires personnel experienced in the telecommunications industry and achieves name recognition. Primus intends to concentrate its immediate expansion plans in those markets that are more economically stable and are experiencing more rapid deregulation, such as continental Europe and Canada. Subsequently, the Company expects to expand in additional markets including Japan, other parts of the Asia-Pacific region and Latin America.
- o Expand Global Network. By constructing and expanding the Network, the Company has been able to reduce operating costs, improve service reliability and increase flexibility to introduce new services. Primus expects that continued strategic development of its Network will continue to reduce transmission costs, improve gross margins, reduce reliance on other carriers and provide more efficient Network utilization. The Company owns its own switching facilities, a satellite earth station, and fiber optic cable capacity on an end-to-end basis.
- o Expand Service Offerings to Become a Full-Service Carrier in Selected Deregulating Markets. The Company typically enters markets which are in the initial stages of deregulation by first providing international long distance services and, as the market deregulates further, by expanding its portfolio of service offerings within the particular market. In an effort to attract larger business customers in multiple markets, the Company intends to offer a broad array of services (including long distance voice, cellular, Internet and data services) in approximately ten markets. The Company believes that international long distance generally offers attractive margins in markets in the early stage of deregulation and provides a platform for expanding its service offerings to its customers.
- o Provide Transmission for Internet and Data Services. The Company plans to offer satellite-based broadband transmission capacity to post, telephone & telegraph operators ("PTTs"), other telecommunications carriers and Internet service providers ("ISPs") principally serving developing countries. The Company is focusing these services on developing countries due to their limited capacity to handle their rapidly growing Internet and data traffic. Once operational, the Company's satellite earth station in London will enable it to offer such Internet and data transmission service in the Indian Ocean/Southeast Asia region.
- o Deliver a Broad Selection of Quality Services at Competitive Prices. Management believes that the Company delivers high quality services at competitive prices and provides a high level of customer service. The Company intends to maintain a low-cost structure in order to offer its customers international and domestic long distance services priced below that of major carriers in its principal markets of operation. In addition, the Company intends to continue to maintain strong customer relationships through the use of trained and experienced sales and service representatives and through the provision of customized billing services. By also offering a broad selection of services, including cellular, data, Internet and other value-added services, the Company believes it can bundle services for customers and reduce per customer sales and marketing costs and customer turnover.
- o Growth through Selected Acquisitions, Joint Ventures and Strategic Investments. As part of its business strategy, the Company frequently evaluates potential acquisitions, joint ventures and strategic investments. The Company views acquisitions, joint ventures and strategic investments as means to enter additional markets, add

new services and expand its operations within existing markets. Potential candidates include voice and data service providers and ISPs with an established customer base, complementary operations, telecommunications licenses, experienced management, or network facilities.

Services

Primus offers a broad array of telecommunications services through its own Network and through interconnection with the networks of other carriers.

The Company offers the following services:

International and Domestic Long Distance. The Company provides international long distance voice services terminating in approximately 230 countries, and provides domestic long distance voice services within the countries in which it operates. Access methods required to originate a call vary according to regulatory requirements and existing domestic telecommunications infrastructure.

Internet and Data Services. In Australia, the Company is a nationwide ISP and offers asynchronous transfer mode and frame relay data services through its own Network. In Canada, the Company offers Internet access services through its February 1999 acquisition of GlobalServe Communications, Inc. Once operational, the Company's satellite earth station in London will enable it to offer Internet and data transmission services in the Indian Ocean/Southeast Asia region.

Private Network Services. In selected countries, the Company designs and implements international private network services that may be used for voice, data, Internet and video applications.

Toll-free Services. The Company offers domestic and international toll-free services within selected countries.

Prepaid and Calling Cards. The Company offers prepaid and calling cards that may be used by customers for domestic and international telephone calls both within and outside of their home country.

Reorigination Services. In selected countries, the Company provides call reorigination services which allow non-United States country to country calling to originate from the United States, thereby taking advantage of lower United States accounting rates.

Cellular Services. The Company offers analog and digital cellular services in Australia through resale arrangements.

Local Switched Services. The Company currently provides local service on a resale basis in Australia, Puerto Rico and the United States Virgin Islands. In the future, the Company intends to expand its provision of local service on a resale basis as part of its "multi-service" marketing approach, subject to commercial feasibility and regulatory limitations.

Network

The Company believes that the continued strategic development of its global telecommunications network allows it to control both the quality and cost of the telecommunications services it provides to its customers. Increased usage of the Company's Network has and will continue to reduce transmission and other operating costs and reduce reliance on other carriers. The Company's Network consists of (i) a global backbone network connecting gateway switches in its primary service regions, (ii) a domestic long distance network presence within certain countries, (iii) a combination of owned and leased transmission facilities, resale arrangements and foreign carrier agreements.

The Company's Network consists of 16 carrier-grade switches, including 12 international gateway switches (two in the New York city area, and one each in Los Angeles, Washington, D.C., Ft. Lauderdale, Toronto, Vancouver, London, Frankfurt, Sydney, Tokyo and Puerto Rico), and four domestic switches in Australia (Melbourne, Brisbane, Perth and Adelaide). The Company also currently operates approximately 25 points of presence in other major metropolitan areas in its service regions. Additionally, the Company operates data and Internet access switches and points of presence in Canada and Australia and has completed the construction of a satellite earth station in London. Each of the international gateway switches is connected to the domestic and international networks of both the Company and other carriers in each country.

During 1998 the Company entered into an agreement to purchase \$20 million of fiber capacity from Qwest Communications, Inc. which provides connections among the United States gateway switches and future United States points of presence. The Company expects such purchase to reduce its network cost structure and provide improved service to customers on its high traffic routes.

The Company's international fiber network is comprised of a combination of owned and leased international fiber optic cable capacity. When traffic volumes increase and such commitments are cost effective, the Company either purchases lines or leases lines on a longer-term basis at a fixed cost or acquires economic interests in such transmission capacity.

In selected countries where competition with the traditional incumbent PTTs is limited or is not currently permitted, the Company has entered into foreign carrier agreements with PTTs or other service providers which permit the Company to provide traffic into and receive return traffic from these countries. The Company has existing foreign carrier agreements with PTTs in Cyprus, Greece, India, Iran, Italy and New Zealand, and additional agreements with other foreign carriers in other countries.

Customers

As of December 31, 1998, the Company had approximately 450,000 customers. Set forth below is a description of the customer base:

Businesses. The Company's business sales and marketing efforts target small- and medium-sized businesses with significant international long distance traffic. More recently with the development of its global Network, the Company has also targeted larger multinational businesses. In an effort to attract these larger customers in multiple markets, the Company intends to offer a broad array of services around the world. The Company believes that business users are attracted to Primus due to its significant price savings compared to first-tier carriers and its personalized approach to customer service and support, including customized billing and bundled service offerings.

Residential Consumers. The Company's residential sales and marketing strategy targets ethnic residential consumers who generate high international traffic call volumes. The Company believes that such customers are attracted to Primus because of significant price savings as compared to first-tier carriers, simplified pricing structure, and multilingual customer service and support.

6

Telecommunications Carriers and Resellers. The Company competes for the business of other telecommunications carriers and resellers primarily on the basis of price and service quality. Sales to other carriers and resellers help the Company maximize the utilization of the Network and thereby reduce the Company's fixed costs per minute of use.

Sales and Marketing

The Company markets its services through a variety of sales channels, as summarized below:

Direct Sales Force. The Company's direct sales force is comprised of full-time employees who focus on business customers with substantial international traffic, including multinational businesses. The Company also employs full-time direct sales representatives focused on ethnic residential consumers and direct sales representatives who sell services to other telecommunications carriers and resellers. Direct sales personnel generally are compensated with a base salary plus commissions.

The Company's direct sales efforts are organized into regional sales offices. The Company currently has offices in New York City, South Florida, Tampa, Washington, D.C., Puerto Rico, St. Thomas, Montreal, Toronto, Vancouver, Mexico City, London, Frankfurt, Munich, Hamburg, Berlin, Melbourne, Sydney, Adelaide, Brisbane, Perth and Tokyo.

Agents and Independent Sales Representatives. The Company supplements its direct sales efforts with agents and independent sales representatives. These agents and representatives, who typically focus on small- and medium-sized businesses, as well as ethnic residential consumers, are generally paid commissions based on

long distance revenue generated.

Media and Direct Mail. The Company uses a variety of print, television and radio to increase brand recognition and generate new customers. The Company reaches ethnic residential consumers by print, media advertising campaigns in ethnic newspapers, and on select radio and television programs.

Competition

The international telecommunications industry is highly competitive and significantly affected by regulatory changes, marketing and pricing decisions of the larger industry participants and the introduction of new services made possible by technological advances. The Company believes that telecommunications service providers compete on the basis of price, customer service, product quality and breadth of services offered. In each country of operation, the Company has numerous competitors. The Company believes that as the international telecommunications markets continue to deregulate, competition in these markets will increase, similar to the competitive environment that has developed in the United States following the AT&T divestiture in 1984. Prices for long distance calls in the markets in which the Company competes have declined historically and are likely to continue to decrease. Many of the competitors are significantly larger, have substantially greater financial, technical and marketing resources and larger networks than the Company.

The following is a brief summary of the competitive environment in selected countries within each of the Company regions of service:

North America. In the United States, which is the most competitive and among the most deregulated long distance markets in the world, competition is based upon pricing, customer service, network quality, and the ability to provide value-added services. AT&T is the largest supplier of long distance services, with MCI Worldcom and Sprint being the next largest providers. In the future, under provisions of recently enacted federal legislation, the Company anticipates that it will also compete with Regional Bell Operating Companies ("RBOCs"), Local Exchange Carriers ("LECs") and ISPs in providing domestic and international long distance services.

7

The Canadian telecommunications market is highly competitive and is dominated by a few established carriers whose marketing and pricing decisions have a significant impact on industry participants.

Asia-Pacific. Australia is one of the most deregulated and competitive telecommunications markets in the Asia-Pacific region. The Company's principal competitors in Australia are Telstra, the dominant carrier, Optus, AAPT and a number of switchless resellers. The Company competes in Australia by offering a comprehensive portfolio of competitively priced products and services, including value-added services, and by providing superior customer service and support. The Company believes that competition in Australia will increase as more companies are awarded carrier licenses in the future. The Company's principal competitor in Japan is KDD, the dominant international carrier, as well as Japan Telecom, IDC and a number of second-tier carriers.

Europe. The Company's principal competitors in the United Kingdom are British Telecom, the dominant supplier of telecommunications services in the United Kingdom, Cable & Wireless Communications and a group of second-tier carriers. The Company's principal competitor in Germany is Deutsche Telekom, the dominant carrier. The Company also faces competition from other licensed public telephone operators that are constructing their own facilities-based networks, cable companies and switch-based resellers. The Company competes in Europe by offering competitively priced bundled and stand-alone services and personalized customer service.

Government Regulation

As a global telecommunications company, Primus is subject to varying degrees of regulation in each of the jurisdictions in which it provides its services. Local laws and regulations, and the interpretation of such laws and regulations, differ significantly among the jurisdictions in which the Company operates. Regulation of the telecommunications industry is changing rapidly both domestically and globally. Although the Company believes that these changes, which include deregulation, will create opportunities for new entrants in the telecommunications service industry, there can be no assurance that these

changes will benefit the Company.

United States. In the United States, the Company's services are subject to the provisions of the Communications Act of 1994 as amended by the 1996 Telecommunications Act (the "Communications Act") and the Federal Communications Commission ("FCC") regulations thereunder, as well as the applicable laws and regulations of the various states.

As a carrier offering services to the public, the Company must comply with the requirements of common carriage under the Communications Act, including the offering of service on a non-discriminatory basis at just and reasonable rates and obtaining FCC approval prior to any assignment of authorizations or any transfer of de jure or de facto control of the Company. The Company is classified as a non-dominant common carrier for domestic service and is not required to obtain specific prior FCC approval to initiate or expand domestic interstate services.

International common carriers, including the Company, are required to obtain authority under Section 214 of the Communications Act and file a tariff containing the rates, terms, and conditions applicable to their services prior to initiating their international telecommunications services. The Company has obtained all required authorizations from the FCC to use, on a facilities and resale basis, various transmission media for the provision of international switched services and international private line services.

In addition to the general common carrier principles, the Company must conduct its international business in compliance with the FCC's international settlements policy, the rules that establish the permissible boundaries for U.S.-based carriers and their foreign correspondents to settle the cost of terminating each other's traffic over their respective networks. The Company intends, where possible, to take advantage of lowered accounting rates and flexible arrangements. The Company cannot predict how the FCC will resolve pending international policy issues or how such resolutions will affect its international business.

8

The Company's intrastate long distance operations are subject to various state laws and regulations including, in most jurisdictions, certification and tariff filing requirements. The Company has received the necessary certificate and tariff approvals to provide intrastate long distance service in 48 states. The Company is subject to a variety of tariffing, filing, and reporting requirements imposed on authorized carriers by state public service commissions ("PSCs"). PSCs also regulate access charges and other pricing for telecommunications services within each state. The RBOCs and other LECs have been seeking reduction of state regulatory requirements, including greater pricing flexibility that, if granted, could subject the Company to increased price competition.

Regulation of the telecommunications industry is changing rapidly both domestically and globally. The FCC is considering a number of international service issues in the context of several policy rulemaking proceedings and in response to specific petitions and applications filed by other international carriers. The Company is unable to predict how the FCC will resolve the pending international policy issues or how such resolution will affect its international business. In addition, the World Trade Organization during 1997 reached a 68-nation agreement on telecommunications services (the "WTO Agreement"), which reflects efforts to dismantle government-owned telecommunications monopolies throughout Europe and Asia. Although the Company believes that these deregulation efforts will create opportunities for new entrants in the telecommunications service industry, there can be no assurance that the agreement will be implemented in a manner that would benefit the Company.

Canada. Telecommunications carriers are regulated generally by the Canadian Radio-Television and Telecommunications Commission which has recently established a new competitive regulatory framework governing the international segment of the long distance market, eliminating certain barriers to competition, consistent with Canada's commitments to the WTO Agreement. As a result, full facilities-based resale competition has been introduced in the provision of international services in Canada during October 1998, coincident with the elimination of traffic routing limitations on switched hubbing through the United States.

Australia. The provision of the Company's services is subject to federal regulation. Two primary instruments of regulation have been the

Telecommunications Act 1991 and federal regulation of anti-competitive practices pursuant to the Trade Practices Act 1974. The regulatory climate changed in July 1997 with the implementation of the Telecommunications Act of 1997 (the "Telecom Act"). These latest changes to the regulatory framework have been described by the Australian Government as the achievement of the Government's long term objective of an internationally competitive telecommunications industry in Australia through full and open competition.

The Company is licensed under the Telecom Act to own and operate transmission facilities in Australia. Under the new regulatory framework, the Company does not require a carriage license in order to supply carriage services to the public using network facilities owned by another carrier. Instead, with respect to carriage services, the Company must comply with legislated "service provider" rules contained in the Telecom Act covering matters such as compliance with the Telecom Act, operator services, regulation of access, directory assistance, provision of information to allow maintenance of an integrated public number database, and itemized billing.

Also, in connection with the Telecom Act, two federal regulatory authorities now exercise control over a broad range of issues affecting the operation of the Australian telecommunications industry. The Australian Communications Authority ("ACA") is the authority regulating matters including the licensing of carriers and technical matters, and the Australian Competition and Consumer Commission ("ACCC") has the role of promoting competition and consumer protection. The Company will be required to comply with the terms of its own licenses and will be subject to the regulatory control of the ACA and the ACCC.

9

Japan. The Company's services in Japan are subject to regulation by the Japanese Telecom Ministry under the Japanese Telecom Law. During 1998, the Company operated in Japan under a Special Type II business license which allowed and still allows it to provide telecommunications services over international circuits leased from another carrier and domestic service over leased circuits. The Company received a Type I business license in March 1999 which allows the Company to provide telecommunications services using its own facilities.

United Kingdom. The Company's services are subject to the provisions of the United Kingdom Telecommunications Act of 1984. The Secretary of State for Trade and Industry, acting on the advice of the United Kingdom Department of Trade and Industry is responsible for granting United Kingdom telecommunications licenses, while the Director General of Telecommunications and the Office of Telecommunications ("OfTel") are responsible for enforcing the terms of such licenses. OfTel attempts to promote effective competition both in networks and in services to redress anti-competitive behavior. OfTel has imposed mandatory rate reductions on British Telecom in the past, that are expected to continue for the foreseeable future, and these have had, and may continue to have, the effect of reducing the prices the Company can charge its customers.

Germany. The German Telecom Act liberalized all telecommunications activities as of January 1, 1998. Under the German Telecom Act, companies that desire to connect with Deutsche Telekom's network must enter into an interconnection agreement with the regulated interconnection tariffs. The Company entered into such an agreement with Deutsche Telekom in February 1998. Subsequently, Deutsche Telekom exercised its option to terminate its current interconnection agreement with the Company effective at the end of 1999 and has commenced renegotiations. There can be no assurance that a revised interconnection agreement with Deutsche Telekom or the regulatory environment in Germany will allow the Company to continue to provide competitively priced telecommunications services.

Acquisitions

On March 31, 1999, the Company purchased the common stock of London Telecom Network, Inc. and certain related entities that provide long distance telecommunications services in Canada (the "LTN Companies"), for approximately \$36 million in cash (including payments made in exchange for certain non-competition agreements). In addition, on March 31, 1999, the Company entered into an agreement to purchase for \$14 million in cash substantially all of the operating assets of Wintel CNC Communications Inc. and Wintel CNT Communications Inc. (the "Wintel Companies"), which are Canada-based long distance telecommunications providers affiliated with the LTN Companies. The purchase of the assets of the Wintel Companies is expected to close in early May 1999. If the LTN Companies and the Wintel Companies collectively achieve certain

financial goals during the first half of 1999, the Company has agreed to pay up to an additional \$4.6 million in cash.

In February 1999 the Company acquired GlobalServe Communications, Inc., ("GlobalServe") a privately held Internet services provider ("ISP") based in Toronto, Canada. The purchase price of approximately \$4.2 million was comprised of \$2.1 million in cash and 142,806 shares of the Company's common stock. As a result of the acquisition, the Company now serves approximately 30,000 Internet customers in Canada.

In June 1998 the Company acquired TresCom International, Inc. ("TresCom"), a long distance telecommunications carrier focused on international long distance traffic originating in the United States and terminating in the Caribbean and Central and South America regions. As a result of the acquisition, all of the approximately 12.7 million TresCom shares outstanding were exchanged for approximately 7.8 million shares of the Company's common stock valued at approximately \$138 million.

In March 1998 the Company acquired all of the outstanding stock of Eclipse Telecommunications Pty., Ltd. ("Eclipse"), a data communications provider in Australia. The purchase price was approximately \$1.8 million in cash and 27,500 shares of the Company's Common Stock.

10

In March 1998 the Company purchased a 60% controlling interest in Hotkey Internet Services Pty., Ltd. ("Hotkey"), a Melbourne, Australia-based Internet service provider, for approximately \$1.3 million. In February 1999, the Company purchased the remaining 40% of Hotkey for approximately \$1.1 million.

Employees

The following table summarizes the number of full-time employees of the Company as of December 31, 1998, by operating region and classification:

	North America	Asia- Pacific	Europe	Total
	-----	-----	-----	-----
Management and Administrative	97	59	13	169
Sales and Marketing	181	122	24	327
Customer Service and Support	85	63	31	179
Technical	101	91	22	214
	---	--	--	---
Total	464	335	90	889
	===	===	==	===

The Company has never experienced a work stoppage, and none of its employees are represented by a labor union or covered by a collective bargaining agreement. The Company considers its employee relations to be excellent.

ITEM 2. PROPERTIES

The Company currently leases its corporate headquarters offices that are located in McLean, Virginia. Additionally, the Company also leases administrative, technical and sales office space, as well as space for its switches, in various locations in the countries in which it operates, including the United States, Australia, the United Kingdom, Canada, Japan, Mexico, Germany and France. Total leased space approximates 240,000 square feet and the total annual lease costs are approximately \$5.3 million. The operating leases expire at various times through 2008. Management believes that the Company's present administrative and sales office facilities are adequate for its anticipated operations and that similar space can readily be obtained as needed. The Company believes the current leased facilities to house the communications equipment are adequate. However, as the Company's network of switches grows, the Company expects to lease additional locations to house the new equipment.

ITEM 3. LEGAL PROCEEDINGS

The Company is from time to time involved in litigation incidental to the ordinary course of the conduct of its business. The Company believes the outcome of pending legal proceedings to which the Company is a party will not have a material adverse effect on the Company's business, financial condition, results

of operations, or cash flows.

ITEM 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS

None.

PART II

ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY AND RELATED STOCKHOLDER MATTERS

Common Stock

11

The Company's Common Stock trades on the Nasdaq Stock Market under the symbol "PRTL". The following table sets forth, for the period indicated, the high and low sales prices of the Company's Common Stock.

Period - - - - -	High -----	Low -----
1997		
1st Quarter	\$17	\$7 3/8
2nd Quarter	\$11 1/8	\$7 1/8
3rd Quarter	\$10 5/8	\$7 5/8
4th Quarter	\$16 5/8	\$10
1998		
1st Quarter	\$31 1/4	\$14 3/4
2nd Quarter	\$30 7/8	\$14 5/8
3rd Quarter	\$28	\$5 3/8
4th Quarter	\$16 3/4	\$5 1/4

Dividend Policy

The Company has not paid any cash dividends on its Common Stock to date. The payment of dividends, if any, in the future is within the discretion of the Board of Directors and will depend on the Company's earnings, its capital requirements and financial condition. Dividends are currently restricted by the senior note indentures, and may be restricted by other credit arrangements entered into in the future by the Company. It is the present intention of the Board of Directors to retain all earnings, if any, for use in the Company's business operations, and accordingly, the Board of Directors does not expect to declare or pay any dividends in the foreseeable future.

Holders

As of February 28, 1999, the Company had approximately 182 holders of record of its Common Stock. The Company believes that it has in excess of 400 beneficial owners.

ITEM 6. SELECTED FINANCIAL DATA

The following sets forth selected consolidated financial data of the Company for the years ended December 31, 1998, 1997, 1996, and 1995 and from inception to December 31, 1994 as derived from the historical financial statements of the Company:

Statement of Operations Data:	For the Period Ended December 31,				
	1998	1997	1996	1995	1994

	(in thousands except per share data)				
Net revenue	\$ 421,628	\$ 280,197	\$ 172,972	\$ 1,167	\$ 0
Gross margin (deficit)	\$ 68,612	\$ 27,466	\$ 14,127	\$ (217)	\$ 0
Selling, general, administrative expenses	\$ 79,532	\$ 50,622	\$ 20,114	\$ 2,024	\$ 557
Loss from operations	\$ (35,105)	\$ (29,889)	\$ (8,151)	\$ (2,401)	\$ (569)
Net loss	\$ (63,648)	\$ (36,239)	\$ (8,764)	\$ (2,425)	\$ (577)

Basic and diluted net loss per share \$ (2.61) \$ (1.99) \$ (0.75) \$ (0.48) \$ (0.22)

Balance Sheet Data:

	As of December 31,				
	1998	1997	1996	1995	1994

12

(in thousands)

Total assets	\$673,963	\$355,393	\$135,609	\$5,042	\$ 487
Total long term obligations	\$420,174	\$231,211	\$ 17,248	\$ 528	\$ 13
Total stockholders' equity (deficit)	\$114,917	\$ 42,526	\$ 76,440	\$2,562	\$ (71)

ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS OVERVIEW

Overview

Primus is a facilities-based global telecommunications company that offers international and domestic long distance, Internet access and data, and other telecommunications services to business, residential and carrier customers in North America and in selected markets within both the Asia-Pacific region and Europe. The Company seeks to capitalize on the increasing demand for high-quality international telecommunications services resulting from the globalization of the world's economies and the worldwide trend toward telecommunications deregulation and the growth of data and Internet traffic. Primus provides service over its Network which includes (i) 12 international gateway switches in the United States, Australia, Canada, Germany, Japan, Puerto Rico and the United Kingdom, (ii) four domestic switches in Australia, (iii) data and Internet access switches in Australia and Canada, (iv) both owned and leased transmission capacity on undersea and land-based fiber optic cable systems and (v) an international satellite earth station located in London. Utilizing this Network, along with resale arrangements and foreign carrier agreements, the Company provides service to approximately 450,000 customers.

Net revenue is earned based on the number of minutes billable by the Company and is recorded upon completion of a call, adjusted for sales allowance. The Company generally prices its services at a savings compared to the major carriers operating in each country. The Company's net revenue is derived from carrying a mix of business, residential and carrier long distance voice traffic, data and Internet traffic in Australia and Canada, and, in Australia, also from provision of local and cellular services.

Cost of revenue is primarily comprised of costs incurred from other domestic and foreign telecommunications carriers to originate, transport and terminate calls. The majority of the Company's cost of revenue is variable, based upon the number of minutes of use, with transmission and termination costs being the Company's most significant expense. As the Company increases the portion of traffic transmitted over its leased or owned facilities, fixed costs as a percentage of cost of revenue will proportionately increase.

Although the Company's functional currency is the United States dollar, a significant portion of the Company's net revenue is derived from its sales and operations outside the United States. In the future, the Company expects to continue to derive a significant portion of its net revenue and incur a significant portion of its operating costs outside the United States; therefore, changes in foreign currency exchange rates may have a significant effect on the Company's results of operations. The Company historically has not engaged in hedging transactions and does not currently contemplate engaging in hedging transactions.

Other Operating Data

The following information for the year ended December 31, 1998 is provided for informational purposes and should be read in conjunction with the Consolidated

	Net Revenue	Minutes of Long Distance Use		
		International	Domestic	Total
		(in thousands)		
North America	\$ 188,008	539,749	215,860	755,609
Asia-Pacific	172,757	119,727	284,654	404,381
Europe	60,863	193,866	71,712	265,578
Total	\$ 421,628	853,342	572,226	1,425,568

Results of operations for the year ended December 31, 1998 as compared to the year ended December 31, 1997

Net revenue increased \$141.4 million or 51% to \$421.6 million for the year ended December 31, 1998, from \$280.2 million for the year ended December 31, 1997. Of the net revenue increase, \$113.7 million was associated with the Company's North American operations, which represents a growth rate of approximately 153%. The growth reflects increased traffic volumes in business and ethnic residential retail operations and in carrier operations, and includes operations of TresCom (since the June 9, 1998 acquisition), and a full year's results of the acquired Canadian operations and the acquired operations of TelePassport L.L.C./USFI, Inc. The European net revenue increased from \$22.7 million for the year ended December 31, 1997 to \$60.9 million for the year ended December 31, 1998, resulting from increased retail business and residential traffic and the addition of carrier services, both in the United Kingdom and Germany. The Company's Asia-Pacific net revenue decreased by \$10.3 million or 5.7% to \$172.8 million for the year ended December 31, 1998 from \$183.1 million for the year ended December 31, 1997 primarily resulting from a 13% decrease in the Australian dollar average exchange rate. Net revenue of the Australian operations, in Australian dollar terms, grew 7% to Australian \$259.5 million as a result of increased retail business and residential traffic growth and the addition of data and Internet services.

Cost of revenue increased \$100.3 million, from \$252.7 million, or 90.2% of net revenue, for the year ended December 31, 1997 to \$353.0 million, or 83.7% of net revenue, for the year ended December 31, 1998. The increase in the cost of revenue is primarily attributable to the increased traffic volumes and associated net revenue growth. The cost of revenue as a percentage of net revenue decreased by 650 percentage points as a result of expansion of the Company's global Network, the continuing migration of existing and newly generated customer traffic onto the Company's Network, and new higher margin product offerings such as data and Internet services.

Selling, general and administrative expenses increased \$28.9 million to \$79.5 million for the year ended December 31, 1998 from \$50.6 million for the year ended December 31, 1997. The increase is attributable to the addition of expenses from acquired operations including TresCom, Hotkey, Eclipse and the Canadian operations, the hiring of additional sales and marketing staff and network operations personnel and increased advertising and promotional expenses associated with the Company's residential marketing campaigns.

Depreciation and amortization increased from \$6.7 million for the year ended December 31, 1997 to \$24.2 million for the year ended December 31, 1998. The increase is associated with increased amortization expense related to intangible assets arising from the Company's acquisitions and with increased depreciation expense related to capital expenditures for fiber optic cable, switching and other network equipment being placed into service.

Interest expense increased to \$40.0 million for the year ended December 31, 1998 from \$12.9 million for the year ended December 31, 1997. The increase is primarily attributable to the interest expense associated with the Company's July 1997 \$225 million 11 3/4% senior notes offering, due 2004, ("1997 Senior Notes") and the Company's May 1998 \$150 million 9 7/8% senior notes offering, due 2008, ("1998 Senior Notes") and, to a lesser extent, the Company's Bank Revolving Credit Facility and additional capital lease financing.

Interest income increased from \$6.2 million for the year ended December 31, 1997 to \$11.5 million for the year ended December 31, 1998. The increase is a result of the investment of the net proceeds of the Company's 1998 and 1997 Senior Note offerings.

Results of operations for the year ended December 31, 1997 as compared to the year ended December 31, 1996

Net revenue increased \$107.2 million or 62%, from \$173.0 million for the year ended December 31, 1996 to \$280.2 million for the year ended December 31, 1997. Of the increase, \$57.8 million was associated with the Company's North American operations and reflects a growth rate in excess of 300%. The growth is a result of increased traffic volumes in carrier operations and, to a lesser extent, in ethnic residential and business customer traffic. Additionally, the purchases of the Company's Canadian operations in April 1997 and those of Telepassport/USFI in October 1997 contributed to the year-over-year net revenue growth. The Asia-Pacific operations contributed \$31.9 million to the year-over-year net revenue growth, resulting in part from the residential customer marketing campaigns commenced in early 1997. The 1997 results also reflect a full year of the Australian operations as compared to ten months in 1996 as a result of the March 1, 1996 acquisition of these operations. The Asia-Pacific net revenue growth was negatively impacted by weakness in the Australian dollar during 1997 as compared to 1996. The European net revenue growth of \$17.6 million, a year-over-year growth rate in excess of 300%, came from the expansion into the United Kingdom carrier marketplace during the third quarter of 1997 and continued growth in the ethnic residential and business marketplaces.

Cost of revenue increased \$93.9 million, from \$158.8 million, or 91.8% of net revenue, for the year ended December 31, 1996 to \$252.7 million, or 90.2% of net revenue, for the year ended December 31, 1997. The increase in the cost of revenue is a direct reflection of the increase in traffic volumes. The decrease in the cost of revenue as a percentage of net revenue reflects the investments made by the Company in its global Network and the associated migration of customer traffic onto the Network, particularly in Australia with the advent of equal access in the second half of 1997.

Selling, general and administrative expenses increased \$30.5 million, from \$20.1 million to \$50.6 million for the year ended December 31, 1997, as compared to the year ended December 31, 1996. The increase is attributable to the hiring of additional sales and marketing staff, and operations and engineering personnel to operate the Company's global Network; the addition of the Canadian and Telepassport/USFI operations; a full year of the Company's Australian operations versus ten months in the prior year; and increased advertising and promotional expenses associated with the Company's residential marketing campaigns.

Depreciation and amortization increased from \$2.2 million for the year ended December 31, 1996 to \$6.7 million for the year ended December 31, 1997. The majority of the increase is associated with capital expenditures for international fiber, telephone switches and related transmission equipment being placed into service. Additionally, amortization expense increased as a result of the intangible assets associated with the Company's acquisitions during 1997.

Interest expense increased from \$0.9 million for the year ended December 31, 1996 to \$12.9 million for the year ended December 31, 1997. The increase is attributable to the interest expense associated with the Company's 1997 Senior Notes.

Interest income increased from \$0.8 million for the year ended December 31, 1996 to \$6.2 million for the year ended December 31, 1997. The increase is due to investment of the net proceeds from the Company's 1997 Senior Notes and the \$54 million net proceeds from its November 1996 initial public equity offering.

Other income (expense) for the years ended December 31, 1997 and 1996 is the result of foreign currency transaction gains/losses on Australian dollar-denominated debt incurred by the Company for its acquisition of its

Australian operations, due to the fluctuations of the Australian dollar against the United States dollar during each year. This debt was paid in full during

1997.

Income taxes were attributable to the operations of the Company's United Kingdom and Australian subsidiaries.

Liquidity and Capital Resources

The Company's liquidity requirements arise from cash used in operating activities, purchases of network equipment including switches, related transmission equipment and international and domestic fiber optic cable capacity, interest and principal payments on outstanding indebtedness, and acquisitions of businesses. The Company has financed its growth to date through public offerings and private placements of debt and equity securities, bank debt and capital lease financing.

Net cash used in operating activities was \$71.3 million for the year ended December 31, 1998 as compared to net cash used in operating activities of \$14.8 million for the year ended December 31, 1997. The increase in operating cash used is primarily comprised of an increase in the net loss of \$27.4 million and a decrease in accounts payable of \$8.2 million (as compared to an increase in accounts payable of \$30.2 million in 1997), partially offset by increased non-cash operating expenses of \$21.5 million.

Net cash used in investing activities was \$54.2 million for the year ended December 31, 1998 compared to net cash used in investing activities of \$104.2 million for the year ended December 31, 1997. Net cash used in investing activities during the year ended December 31, 1998 includes \$76.0 million of capital expenditures primarily for the expansion of the Company's global Network, partially offset by \$22.9 million of cash provided by the sale of restricted investments used to fund interest payments on the 1997 Senior Notes.

Net cash provided by financing activities was \$146.8 million for the year ended December 31, 1998 as compared to net cash provided by financing activities of \$200.1 million during the year ended December 31, 1997. Cash provided by financing activities for the year ended December 31, 1998 resulted primarily from \$144.5 million of net proceeds of the 1998 Senior Notes offering.

The Company anticipates aggregate capital expenditures of approximately \$125 million during 1999. Such capital expenditures will be primarily for international and domestic switches and points of presence, international and domestic fiber optic cable capacity for new and existing routes, satellite earth station facilities, other transmission equipment, and back office support systems.

On March 31, 1999, the Company purchased the common stock of London Telecom Network, Inc. and certain related entities that provide long distance telecommunications services in Canada (the "LTN Companies"), for approximately \$36 million in cash (including payments made in exchange for certain non-competition agreements). In addition, on March 31, 1999, the Company entered into an agreement to purchase for \$14 million in cash substantially all of the operating assets of Wintel CNC Communications Inc. and Wintel CNT Communications Inc. (the "Wintel Companies"), which are Canada-based long distance telecommunications providers affiliated with the LTN Companies. The purchase of the assets of the Wintel Companies is expected to close in early May 1999. If the LTN Companies and the Wintel Companies collectively achieve certain financial goals during the first half of 1999, the Company has agreed to pay up to an additional \$4.6 million in cash.

On January 29, 1999 the Company completed an offering of \$200 million 11 1/4 % Senior Notes (the "1999 Senior Notes") due in 2009. The \$192.5 million of net proceeds of the offering are to be used for continued expansion of the Network and other general corporate purposes.

On January 20, 1999, the Company entered into a supplemental indenture applicable to the Company's 11 3/4% Senior Notes in order to provide additional flexibility to incur indebtedness to fund the Company's expansion, to make permitted investments in marketing channels and complementary telecommunications services and to secure additional bank debt. The supplemental indenture substantially conformed certain covenants applicable to the 1997 Senior Notes to the corresponding provisions of the Company's other senior notes. The Company incurred fees and expenses of approximately \$4.8 million in connection with securing consents to enter into the supplemental indenture.

In January 1999, the Company voluntarily repaid in full with a part of its available cash, and delivered notice of its termination of, the Revolving Bank

Credit Facility (the "Facility"). The Facility, which provided for up to \$25 million of revolving credit borrowings and which was due to mature on July 30, 2002, was acquired upon completion of the TresCom Merger.

16

The Company believes that the net proceeds from the 1999 Senior Notes, together with its existing cash and available capital lease financing (subject to the limitations in the Indentures related to the Company's senior notes) will be sufficient to fund the Company's operating losses, debt service requirements, capital expenditures, acquisition activities, including the recently announced acquisitions of the LTN Companies and the Wintel Companies, and other cash needs for its operations through the end of 2000. The semi-annual interest payments due under the 1997 Senior Notes through August 1, 2000 have been pre-funded and will be paid from restricted investments. The Company is continually evaluating the expansion of its service offerings and plans to make further investments in and enhancements to its Network and distribution channels in order to expand its service offerings. In order to fund these additional cash requirements, the Company anticipates that it will be required to raise additional financing from public or private equity or debt sources. Additionally, if the Company's plans or assumptions change (including those with respect to the development of the Network, the level of its operations and its operating cash flow), if its assumptions prove inaccurate, if it consummates additional investments or acquisitions, if it experiences unexpected costs or competitive pressures, or if existing cash and any other borrowings prove insufficient, the Company may be required to seek additional capital sooner than expected. In the event that the Company is unable to obtain such additional capital or is unable to obtain such additional capital on acceptable terms, it may be required to reduce the scope of its expansion, which could adversely affect its business prospects and its ability to compete. There can be no assurance that the Company will be able to raise equity capital, obtain capital lease or bank financing or incur other borrowings on commercially reasonable terms, if at all, to fund any such expansion or otherwise.

Year 2000

General. Primus is reviewing its network elements, computer systems, software applications and other business systems in order to determine if any of these systems will not properly reflect or recognize the year 2000. Because many computer and computer applications define dates by the last two digits of the year, "00" could be interpreted to mean the year 1900, rather than the year 2000. This error could result in miscalculations or system failures. Year 2000 issues may also affect the systems and applications of Primus' customers, vendors or resellers.

Compliance Program. Beginning in 1998, Primus began a comprehensive inventory and Year 2000 assessment of its principal computer systems, network elements, software applications and other business systems. Primus expects to complete its inventory and assessment and begin repairing or replacing the most critical network elements and significant management systems that are determined not to be Year 2000 compliant during the first quarter of 1999. Primus expects to complete the repair, replacement, testing and certification of substantially all non-compliant network elements by September 30, 1999. Primus is using both internal and external resources to identify, correct or reprogram, and test its systems for Year 2000 compliance.

Suppliers. Primus is also contacting third party suppliers of major equipment, software, systems and services used by the Company to identify and, to the extent possible, to resolve issues involving Year 2000 compliance. However, the Company has limited or no control over the actions of these third party suppliers. Consequently, while Primus expects that it will be able to resolve any significant Year 2000 issues with regard to its systems and services, there can be no assurance that its suppliers will resolve any or all Year 2000 issues before the occurrence of a material disruption to the business of the Company or any of its customers.

17

Costs. Primus expects to incur approximately \$3 to \$5 million in expenditures in 1999 to complete its Year 2000 compliance program. The costs of modifying the

Company's network elements, software and systems for Year 2000 compliance are being funded from existing cash resources and are being charged to expense as incurred.

Risks. Primus believes that it will complete the implementation of its Year 2000 program prior to December 31, 1999. Consequently, the Company does not believe that Year 2000 issues will have a material adverse effect on the Company's business, cash flows, or results of operations. However, if the Company does not achieve compliance prior to December 31, 1999, if it fails to identify and remedy all critical Year 2000 problems or if major suppliers or customers experience material Year 2000 problems, the Company's results of operations or financial condition could be materially and adversely affected. Primus has determined that non-compliant network elements may result in improperly routed traffic and that non-compliant, non-network systems may result in errors in customer billing and accounting records.

Contingency Plans. Primus has begun to develop appropriate contingency plans to mitigate, to the extent possible, any significant Year 2000 noncompliance. The Company expects to complete its contingency plans by September 30, 1999. If Primus is required to implement its contingency plans, the cost of Year 2000 compliance may be greater than the amount referenced above and there can be no assurance that these plans will be adequate.

Special Note Regarding Forward Looking Statements

Statements in this Annual Report on Form 10-K, including those concerning the Company's expectations of future sales, net revenue, gross profit, net income, network development, traffic development, capital expenditures, selling, general and administrative expenses, service introductions and cash requirements include certain forward-looking statements. As such, actual results may vary materially from such expectations. Factors, which could cause results to differ from expectations, include risks associated with:

Limited Operating History; Entry into Developing Markets. The Company was founded in February 1994, began generating revenue in March 1995 and acquired its most significant operating subsidiaries, Primus Australia (formerly Axicorp) and TresCom, in March 1996 and June 1998, respectively. The Company intends to enter markets where it has limited or no operating experience. The Company's prospects should be considered in light of risks, expenses, problems and delays inherent in establishing a new business in a rapidly changing industry.

Managing Rapid Growth. The Company's strategy of rapid growth has placed, and is expected to continue to place, a significant strain on the Company. In order to manage its growth effectively, the Company must continue to implement and improve its operational and financial systems and controls, purchase and utilize additional transmission facilities, and expand, train and manage its employees, all within a rapidly-changing regulatory environment. Inaccuracies in the Company's forecast of traffic could result in insufficient or excessive transmission facilities and disproportionate fixed expenses.

Substantial Indebtedness; Liquidity. The Company currently has substantial indebtedness and anticipates that it and its subsidiaries will incur additional indebtedness in the future. The level of the Company's indebtedness (i) could make it more difficult for it to make payments of interest on its outstanding debt; (ii) could limit the ability of the Company to obtain any necessary financing in the future for working capital, capital expenditures, debt service requirements or other purposes; (iii) requires that a substantial portion of the Company's cash flow from operations, if any, be dedicated to the payment of principal and interest on its indebtedness and other obligations and, accordingly, will not be available for use in its business; (iv) could limit its flexibility in planning for, or reacting to, changes in its business; (v) results in the Company being more highly leveraged than some of its competitors, which may place it at a competitive disadvantage; and (vi) will make it more vulnerable in the event of a downturn in its business.

Historical and Future Operating Losses; Negative EBITDA; Net Losses. Since inception, Primus had cumulative negative cash flow from operating activities and cumulative negative EBITDA. In addition, Primus incurred net losses in 1996, 1997, and 1998 and has an accumulated deficit of approximately \$112 million as of December 31, 1998. The Company expects to continue to incur additional operating losses and negative cash flow as it expands its operations and

continues to build-out and upgrade its Network. There can be no assurance that the Company's revenue will grow or be sustained in future periods or that it will be able to achieve or sustain profitability or positive cash flow from operations in any future period.

Acquisition and Strategic Investment Risks. Acquisitions, a key element in the Company's growth strategy, involve operational risks, including the possibility that an acquisition does not ultimately provide the benefits originally anticipated by management, while the Company continues to incur operating expenses to provide the services formerly provided by the acquired company, and financial risks including the incurrence of indebtedness by the Company in order to affect the acquisition and the consequent need to service that indebtedness. There can be no assurance that the Company will be successful in identifying attractive acquisition candidates, completing and financing additional acquisitions on favorable terms, or integrating the acquired business or assets into its own.

Intense Competition. The long distance telecommunications industry is intensely competitive and is significantly influenced by the marketing and pricing decisions of the larger industry participants. Competition in all of the Company's markets is likely to increase and, as deregulatory influences are experienced in markets outside the United States, competition in non-United States markets is likely to become similar to the intense competition in the United States. Many of the Company's competitors are significantly larger and have substantially greater financial, technical and marketing resources and larger networks than the Company, a broader portfolio of service offerings, greater control over transmission lines, stronger name recognition and customer loyalty, as well as long-standing relationships with the Company's target customers. In addition, many of the Company's competitors enjoy economies of scale that result in a lower cost structure for transmission and related costs which could cause significant pricing pressures within the industry.

Dependence on Transmission Facilities-Based Carriers. The Company's ability to maintain and expand its business is dependent upon whether the Company continues to maintain favorable relationships with the transmission facilities-based carriers to carry the Company's traffic.

International Operations. In many international markets, the existing carrier will control access to the local networks, enjoy better brand recognition and brand and customer loyalty, and have significant operational economies, including a larger backbone network and correspondent agreements. Moreover, the existing carrier may take many months to allow competitors, including the Company, to interconnect to its switches within its territory. There can be no assurance that the Company will be able to obtain the permits and operating licenses required for it to operate, obtain access to local transmission facilities or to market services in international markets. In addition, operating in international markets generally involves additional risks, including: unexpected changes in regulatory requirements, tariffs, customs, duties and other trade barriers; difficulties in staffing and managing foreign operations; problems in collecting accounts receivable; political risks; fluctuations in currency exchange rates; foreign exchange controls which restrict repatriation of funds; technology export and import restrictions; seasonal reductions in business activity.

Dependence on Effective Information Systems. The Company's management information systems must grow as the Company's business expands and are expected to change as new technological developments occur. There can be no assurance that the Company will not encounter delays or cost-overruns or suffer adverse consequences in implementing new systems when required. Any of the Company's programs that have time-sensitive software may recognize a date using "00" as the year 1900 rather than the year 2000 and are vulnerable to the Year 2000 problem which could result in a major system failure or miscalculations. There can be no assurance that the Company will be able to successfully implement upgrades to its systems to correct any Year 2000 problem. A failure of the Company's computer systems, or the failure of the Company's vendors or customers to effectively

upgrade their software and systems for transition to the Year 2000, could have a material adverse effect on the Company's business and financial condition or results of operations.

Industry Changes. The international telecommunications industry is changing rapidly due to deregulation, privatization, technological improvements, expansion of infrastructure and the globalization of the world's economies. In order to compete effectively, the Company must adjust its contemplated plan of development to meet changing market conditions. The telecommunications industry is marked by the introduction of new product and service offerings and technological improvements. The Company's profitability will depend on its ability to anticipate, assess and adapt to rapid technological changes and its ability to offer, on a timely and cost-effective basis, services that meet evolving industry standards.

Network Development; Migration of Traffic. The long-term success of the Company is dependent upon its ability to design, implement, operate, manage and maintain the Network. The Company could experience delays or cost overruns in the implementation of the Network, or its ability to migrate traffic onto its Network, which could have a material adverse effect on the Company.

Dependence on Key Personnel. The loss of the services of K. Paul Singh, the Company's Chairman and Chief Executive Officer, or the services of its other key personnel, or the inability of the Company to attract and retain additional key management, technical and sales personnel (for which competition is intense in the telecommunications industry), could have a material adverse effect upon the Company.

Government Regulation. The Company's operations are subject to constantly changing regulation. There can be no assurance that future regulatory changes will not have a material adverse effect on the Company, or that regulators or third parties will not raise material issues with regard to the Company's compliance or non-compliance with applicable regulations, any of which could have a material adverse effect upon the company.

ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

The Company's primary market risk exposures relate to changes in foreign currency exchange rates and to changes in interest rates.

Foreign currency - As noted above, although the Company's functional currency is the United States dollar, a significant portion of the Company's net revenue is derived from its sales and operations outside the United States. In the future, the Company expects to continue to derive a significant portion of its net revenue and incur a significant portion of its operating costs outside the United States, and changes in foreign currency exchange rates may have a significant effect on the Company's results of operations. The operations of affiliates and subsidiaries in foreign countries have been funded with investments and other advances. Due to the long-term nature of such investments and advances, the Company accounts for any adjustments resulting from translation as a charge or credit to "accumulated other comprehensive loss" within the stockholders' equity section of the consolidated balance sheet. The Company historically has not engaged in hedging transactions.

Interest rates - The Company's financial instruments that are sensitive to changes in interest rates are its 1997 Senior Notes, and its 1998 Senior Notes. The aggregate fair value of the 1997 and 1998 Senior Notes approximates their face value.

ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

	Page

Independent Auditors' Report	F-2

20

Consolidated Financial Statements

Consolidated Statement of Operations for the years ended December 31, 1998, 1997 and 1996	F-3
Consolidated Balance Sheet - December 31, 1998 and 1997	F-4
Consolidated Statement of Stockholders' Equity for the years ended December 31, 1998, 1997 and 1996	F-5

Consolidated Statement of Cash Flows for the years ended December 31, 1998, 1997 and 1996	F-6
Consolidated Statement of Comprehensive Loss for the years ended December 31, 1998, 1997 and 1996	F-7
Notes to the Consolidated Financial Statements	F-8

PART III

The information required by Part III will be provided in the Company's definitive proxy statement for the Company's 1999 annual meeting of stockholders (involving the election of directors), which definitive proxy statement will be filed pursuant to Regulation 14A not later than April 30, 1999 ("1999 Proxy Statement"), and is incorporated herein by this reference.

ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

None.

ITEM 10. DIRECTORS AND EXECUTIVE OFFICERS OF THE REGISTRANT

Information relating to directors of the Company is set forth under the caption entitled "Election of Directors" in the Company's 1999 Proxy Statement and is incorporated herein by reference. Information relating to the executive officers of the Company is set forth in the Company's 1999 Proxy Statement under the caption "Executive Officers, Directors and Key Employees" and is incorporated herein by reference.

ITEM 11. EXECUTIVE COMPENSATION

The information regarding compensation of officers and directors of the Company is set forth under the caption entitled "Executive Compensation" in the Company's 1999 Proxy Statement and is incorporated herein by reference.

ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

Information regarding ownership of certain of the Company's securities is set forth under the captions entitled "Security Ownership of Certain Beneficial Owners" and "Security Ownership of Management" in the Company's 1999 Proxy Statement and is incorporated herein by reference.

21

ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS

Information regarding certain relationships and related transactions with the Company is set forth under the caption entitled "Certain Relationships and Related Transactions" in the Company's 1999 Proxy Statement and is incorporated herein by reference.

PART IV

ITEM 14. EXHIBITS, FINANCIAL STATEMENT SCHEDULE AND REPORTS ON FORM 8-K

a) Financial Statements and Schedules

The financial statements as set forth under Item 8 of this report on Form 10-K are incorporated herein by reference.

Financial statement schedules have been omitted since they are either not required, not applicable, or the information is otherwise included.

b) Reports on 8-K

Form 8-K dated December 16, 1998 was filed to announce the distribution of one right to purchase one one-thousandth of a share (a "Unit") of Series B Junior Participating Preferred Stock for \$90.00 per Unit for each share of Common Stock held by stockholders at the close of business on December 31, 1998, and for each share of Common Stock issued thereafter but prior to the date of distribution.

c) Exhibit listing

Exhibit Number	Description
2.1	Agreement and Plan of Merger by and among Primus, TresCom and TAC, dated as of February 3, 1998, and as amended by Amendments No. 1 and 2 to Agreement and Plan of Merger dated as of April 8, 1998 and as of April 16, 1998, respectively; Incorporated by reference to Appendix A to the Joint Proxy Statement/Prospectus on Form S-4, No. 333-51797 dated May 4, 1998.
2.2	Amendment No. 1 to Agreement and Plan of Merger among Primus, TresCom and TAC, dated as of April 8, 1998; Incorporated by reference to Exhibit 2.1 of the Primus Current Report on Form 8-K dated April 10, 1998.
2.3	Amendment No. 2 to Agreement and Plan of Merger among Primus, TresCom and TAC, dated as of April 16, 1998; Incorporated by reference to Exhibit 2.1 of the Primus Current Report on Form 8-K dated April 23, 1998 (the "Form 8-K for Amendments"), as amended by the Primus Current Report on Form 8-K/A dated April 23, 1998.
2.4	Asset Purchase Agreement by and among USFI, Inc., Primus Telecommunications, Inc., Primus and US Cable Corporation dated as of October 20, 1997; Incorporated by reference to Exhibit 2.1 of Primus's Current Report on Form 8-K dated November 3,

22

1997. (The exhibits and schedules listed in the table of contents to the Asset Purchase Agreement have been omitted in accordance with Item 601(b)(2) of Regulation S-K. A copy of such exhibits and schedules shall be furnished supplementally to the Commission upon request.)

2.5	Equity Purchase Agreement by and among Messrs. James D. Pearson, Stephen E. Myers, Michael C. Anderson, Primus Telecommunications, Inc., and Primus, dated as of October 20, 1997; Incorporated by reference to Exhibit 2.2 of Primus' Current Report on Form 8-K dated November 3, 1997. (The exhibits and schedules listed in the table of contents to the Equity Purchase Agreement have been omitted in accordance with Item 601(b)(2) of Regulation S-K. A copy of such exhibits and schedules shall be furnished supplementally to the Commission upon request.)
3.1	Amended and Restated Certificate of Incorporation of Primus; Incorporated by reference to Exhibit 3.1 of the Registration Statement on Form S-8, No. 333-56557 (the "S-8 Registration Statement").
3.2	Amended and Restated Bylaws of Primus; Incorporated by reference to Exhibit 3.2 of the Registration Statement on Form S-1, No. 333-10875 (the "IPO Registration Statement").
4.1	Specimen Certificate of Primus Common Stock; Incorporated by reference to Exhibit 4.1 of the IPO Registration Statement.
4.2	Form of Indenture; Incorporated by reference to Exhibit 4.1 of the Registration Statement on Form S-1, No 333-30195 (the "1997 Senior Note Registration Statement").
4.3	Form of Indenture of Primus, as amended and restated on January 20, 1999, between Primus and First Union National Bank. *
4.4	Form of Warrant Agreement of Primus; Incorporated by reference to Exhibit 4.2 of the 1997 Senior Note Registration Statement.
4.5	Indenture, dated May 19, 1998, between Primus and First Union National Bank; Incorporated by reference to Exhibit 4.4 of the Registration Statement on Form S-4, No 333-58547 (the "1998 Senior

Note Registration Statement").

- 4.6 Specimen 9 7/8% Senior Note due 2008; Incorporated by reference to Exhibit A included in Exhibit 4.4 of the 1998 Senior Note Registration Statement.
- 4.7 Indenture, dated January 29, 1999, between Primus and First Union National Bank. *
- 4.8 Specimen 11 1/4% Senior Note due 2009; Incorporated by reference to Exhibit A included in Exhibit 4.7.
- 4.9 Rights Agreement, dated as of December 23, 1998, between Primus and StockTrans, Inc., including the Form of Rights Certificate (Exhibit A), the Certificate of Designation (Exhibit B) and the Form of Summary of Rights (Exhibit C); Incorporated by reference to Exhibit 4.1 to the Company's Registration Statement on Form 8-A, No 000-29092 filed with the Commission on December 30, 1998.

23

- 4.10 Form of legend on certificates representing shares of Common Stock regarding Series B Junior Participating Preferred Stock Purchase Rights; Incorporated by reference to Exhibit 4.2 to the Company's Registration Statement on Form 8-A, No 000-29092 filed with the Commission on December 30, 1998.
- 10.1 Stockholder Agreement among Warburg, Pincus, K. Paul Singh and Primus, dated as of February 3, 1998; Incorporated by reference to Exhibit 10.1 of the Primus Current Report on Form 8-K dated February 6, 1998 (the "Form 8-K").
- 10.2 Voting Agreement between Primus and Wesley T. O'Brien, dated as of February 3, 1998; Incorporated by reference to Exhibit 10.4 of the Form 8-K.
- 10.3 Voting Agreement between Primus and Rudy McGlashan, dated as of February 3, 1998; Incorporated by reference to Exhibit 10.5 of the Form 8-K.
- 10.4 Voting Agreement between TresCom and K. Paul Singh, dated as of February 3, 1998; Incorporated by reference to Exhibit 10.2 of the Form 8-K.
- 10.5 Voting Agreement between TresCom and John F. DePodesta, dated as of February 3, 1998; Incorporated by reference to Exhibit 10.3 of the Form 8-K.
- 10.6 Amendment No. 1 to Stockholder Agreement among Warburg, Pincus, K. Paul Singh, Primus, and TresCom, dated as of April 16, 1998; Incorporated by reference to Exhibit 10.1 of the Form 8-K for Amendments.
- 10.7 Amendment No. 1 to Voting Agreement between Wesley T. O'Brien and Primus, dated as of April 16, 1998; Incorporated by reference to Exhibit 10.2 of the Form 8-K for Amendments.
- 10.8 Amendment No. 1 to Voting Agreement between Rudolph McGlashan and Primus, dated as of April 16, 1998; Incorporated by reference to Exhibit 10.3 of the Form 8-K for Amendments.
- 10.9 Switched Transit Agreement, dated June 5, 1995, between Teleglobe USA, Inc. and Primus for the provision of services to India; Incorporated by reference to Exhibit 10.2 of the IPO Registration Statement.
- 10.10 Hardpatch Transit Agreement, dated February 29, 1996, between Teleglobe USA, Inc. and Primus for the provision of services to Iran; Incorporated by reference to Exhibit 10.3 of the IPO Registration Statement.
- 10.11 Agreement for Billing and Related Services, dated February 23, 1995, between Primus and Electronic Data System Inc.; Incorporated by

reference to Exhibit 10.4 of the IPO Registration Statement.

- 10.12 Employment Agreement, dated June 1, 1994, between Primus and K. Paul Singh; Incorporated by reference to Exhibit 10.5 of the IPO Registration Statement.**
- 10.13 Primus 1995 Stock Option Plan; Incorporated by reference to Exhibit 10.6 of the IPO Registration Statement. **

24

- 10.14 Primus 1995 Director Stock Option Plan; Incorporated by reference to Exhibit 10.7 of the IPO Registration Statement. **
- 10.15 Registration Rights Agreement, dated July 31, 1996, among Primus, Quantum Industrial Partners LDC, S-C Phoenix Holdings, L.L.C., Winston Partners II LDC and Winston Partners LLC; Incorporated by reference to Exhibit 10.11 of the IPO Registration Statement.
- 10.16 Service Provider Agreement between Telstra Corporation Limited and Axicorp Pty., Ltd., dated May 3, 1995; Incorporated by reference to Exhibit 10.12 of the IPO Registration Statement.
- 10.17 Dealer Agreement between Telstra Corporation Limited and Axicorp Pty., Ltd. dated January 8, 1996; Incorporated by reference to Exhibit 10.13 of the IPO Registration Statement.
- 10.18 Hardpatch Transit Agreement dated October 5, 1995 between Teleglobe USA, Inc. and Primus regarding the provision of services to India; Incorporated by reference to Exhibit 10.14 of the IPO Registration Statement.
- 10.19 Master Lease Agreement dated as of November 21, 1997 between NTFC Capital Corporation and Primus Telecommunications, Inc.; Incorporated by reference to Exhibit 10.17 of Primus's Annual Report on Form 10-K for the year ended December 31, 1997 (the "1997 10-K"), as amended on Form 10-K/A dated April 30, 1998.
- 10.20 Primus Employee Stock Purchase Plan; Incorporated by reference to Exhibit 10.15 of the 1997 Senior Note Registration Statement. **
- 10.21 Primus 401(k) Plan; Incorporated by reference to Exhibit 4.4 of the Primus Registration Statement on Form S-8 (No. 333-35005).
- 10.22 Purchase Agreement, dated May 14, 1998, among Primus Telecommunications Group, Incorporated, Primus Telecommunications, Incorporated, Primus Telecommunications Pty. Ltd. and Lehman Brothers, Inc.; Incorporated by reference to Exhibit 10.22 of the 1998 Senior Note Registration Statement.
- 10.23 Registration Rights Agreement, dated May 19, 1998, among Primus Telecommunications Group, Incorporated, Primus Telecommunications, Incorporated, Primus Telecommunications Pty. Ltd. and Lehman Brothers, Inc.; Incorporated by reference to Exhibit 10.23 of the 1998 Senior Note Registration Statement.
- 10.24 Primus Telecommunications Group, Incorporated-TresCom International Stock Option Plan Incorporated by reference to Exhibit 4.1 of the S-8 Registration Statement. **
- 10.25 Amended and Restated Employment Agreement between the Company and Wesley T. O'Brien; Incorporated by reference to Exhibit 10.3 to the TresCom 1996 Form 10-K. **

25

- 10.26 First Amendment to Amended and Restated Employment Agreement between the Company and Wesley T. O'Brien; Incorporated by reference to Exhibit 10.2 to the TresCom 1997 Form 10-K. **
- 10.27 Employment Agreement between the Company and Rudolph McGlashan;

Incorporated by reference to Exhibit 10.4 to the TresCom Registration Statement on Form S-1, No. 33-99738, filed on November 22, 1995 (the "TresCom Form S-1"). **

- 10.28 Amendment to Employment Agreement between the Company and Rudolph McGlashan; Incorporated by reference to Exhibit 10.5 to the TresCom Form S-1. **
- 10.29 Warrant Agreement between the Company and Warburg, Pincus Investors, L.P.; Incorporated by reference to Exhibit 10.6 to the TresCom Form S-1.
- 10.30 Form of Indemnification Agreement between the Company and its directors and executive officers Incorporated by reference to Exhibit 10.23 to the TresCom Form S-1.
- 10.31 Revolving Credit and Security Agreement, among TresCom International, Inc., TresCom U.S.A., Inc., Intex Telecommunications, Inc., The St. Thomas and San Juan Telephone Company, Inc., STSJ Overseas Telephone Company, Inc., PNC Bank, National Association (as lender and as agent) and the other lenders a party thereto (the "Loan Agreement"); Incorporated by reference to Exhibit 10.22 to the TresCom Quarterly Report on Form 10-Q for the fiscal quarter ended June 30, 1997.
- 10.32 Revolving Credit Note, dated July 31, 1997, payable to PNC Bank, National Association and the other lenders a party to the Loan Agreement; Incorporated by reference to Exhibit 10.23 to the Company's Quarterly Report on Form 10-Q for the fiscal quarter ended June 30, 1997.
- 21.1 Subsidiaries of the Registrant. *
- 23.1 Independent Auditors' Consent. *
- 27.1 Financial Data Schedule for the Company for the year ended December 31, 1998. *

- - - - -
* Filed herewith
** Compensatory benefit plan

26

SIGNATURES

Pursuant to the requirements of the Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on behalf by the undersigned, thereunto duly authorized.

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED

By: /s/ K. Paul Singh Chairman of the Board, President and
----- Chief Executive Officer
K. Paul Singh

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints K. Paul Singh and Neil L. Hazard, and each of them, his true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities to sign any and all amendments to this Form 10-K of the Securities and Exchange Commission for the fiscal year of Primus Telecommunications Group, Incorporated ended December 31, 1998, and to file the same, with all exhibits thereto, and other documents in connection therewith, with authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or either of them, or their or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the date indicated.

Signature -----	Title -----	Date -----
/s/ K. Paul Singh ----- K. Paul Sing	Chairman, President and Chief Executive Officer (Principal Executive Officer) and Director	March 31, 1999
/s/ Neil L. Hazard ----- Neil L. Hazard	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	March 31, 1999
/s/ John F. DePodesta ----- John F. DePodesta	Executive Vice President and Director	March 31, 1999
/s/ Thomas R. Kloster ----- Thomas R. Kloster	Vice President and Corporate Controller (Principal Accounting Officer)	March 31, 1999
/s/ Herman Fialkov ----- Herman Fialkov	Director	March 31, 1999
/s/ David E. Hershberg ----- David E. Hershberg	Director	March 31, 1999
/s/ Douglas M. Karp ----- Douglas M. Karp	Director	March 31, 1999

27

/s/ John Puente ----- John Puente	Director	March 31, 1999
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28

INDEX TO FINANCIAL STATEMENTS AND
EXHIBITS

	Page -----
Independent Auditors' Report	F-2
Consolidated Financial Statements:	
Consolidated Statement of Operations for the years ended December 31, 1998, 1997, and 1996	F-3
Consolidated Balance Sheet-December 31, 1998 and 1997	F-4
Consolidated Statement of Stockholders' Equity for the years ended December 31, 1998, 1997, and 1996	F-5
Consolidated Statement of Cash Flows for the years ended December 31, 1998, 1997, and 1996	F-6
Consolidated Statement of Comprehensive Loss for the years ended December 31, 1998, 1997 and 1996	F-7
Notes to Consolidated Financial Statements	F-8

F-1

INDEPENDENT AUDITORS' REPORT

To the Board of Directors and Stockholders of
Primus Telecommunications Group, Incorporated

We have audited the accompanying consolidated balance sheets of Primus Telecommunications Group, Incorporated and subsidiaries (the "Company") as of December 31, 1998 and 1997, and the related consolidated statements of operations, stockholders' equity, comprehensive loss and cash flows for each of the three years in the period ended December 31, 1998. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such consolidated financial statements present fairly, in all material respects, the financial position of Primus Telecommunications Group, Incorporated and subsidiaries as of December 31, 1998 and 1997, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 1998, in conformity with generally accepted accounting principles.

DELOITTE & TOUCHE LLP
Washington, D.C.
February 10, 1999, except for paragraph one
of Note 16 as to which the date is March 31, 1999

F-2

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED
CONSOLIDATED STATEMENT OF OPERATIONS
(in thousands, except per share amounts)

	For the Year Ended December 31,		
	1998	1997	1996
	----	----	----
NET REVENUE	\$ 421,628	\$ 280,197	\$ 172,972
COST OF REVENUE	353,016	252,731	158,845
	-----	-----	-----
GROSS MARGIN	68,612	27,466	14,127
	-----	-----	-----
OPERATING EXPENSES			
Selling, general and administrative	79,532	50,622	20,114
Depreciation and amortization	24,185	6,733	2,164
	-----	-----	-----
Total operating expenses	103,717	57,355	22,278
	-----	-----	-----
LOSS FROM OPERATIONS	(35,105)	(29,889)	(8,151)
INTEREST EXPENSE	(40,047)	(12,914)	(857)

INTEREST INCOME	11,504	6,238	785
OTHER INCOME (EXPENSE)	--	407	(345)
	-----	-----	-----
LOSS BEFORE INCOME TAXES	(63,648)	(36,158)	(8,568)
INCOME TAXES	--	(81)	(196)
	-----	-----	-----
NET LOSS	\$ (63,648)	\$ (36,239)	\$ (8,764)
	=====	=====	=====
BASIC AND DILUTED NET LOSS PER COMMON SHARE	\$ (2.61)	\$ (1.99)	\$ (0.75)
	=====	=====	=====
WEIGHTED AVERAGE NUMBER OF COMMON SHARES OUTSTANDING	24,432	18,250	11,660
	=====	=====	=====

See notes to consolidated financial statements.

F-3

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED
CONSOLIDATED BALANCE SHEET
(in thousands, except share amounts)

	December 31, 1998	December 31, 1997
	-----	-----
ASSETS		
CURRENT ASSETS:		
Cash and cash equivalents	\$ 136,196	\$ 115,232
Restricted investments	25,729	22,774
Accounts receivable (net of allowance for doubtful accounts of \$14,976 and \$5,044)	92,531	58,172
Prepaid expenses and other current assets	13,505	5,152
	-----	-----
Total current assets	267,961	201,330
RESTRICTED INVESTMENTS	24,894	50,776
PROPERTY AND EQUIPMENT - Net	158,873	59,241
INTANGIBLES - Net	205,039	33,164
OTHER ASSETS	17,196	10,882
	-----	-----
TOTAL ASSETS	\$ 673,963	\$ 355,393
	=====	=====
LIABILITIES AND STOCKHOLDERS EQUITY		
CURRENT LIABILITIES:		
Accounts payable	\$ 82,520	\$ 56,358
Accrued expenses and other current liabilities	42,597	12,468
Accrued interest	12,867	11,016
Deferred income taxes	361	1,814
Current portion of long-term obligations	22,423	1,059
	-----	-----
Total current liabilities	160,768	82,715
LONG TERM OBLIGATIONS	397,751	230,152
OTHER LIABILITIES	527	--
	-----	-----
Total liabilities	559,046	312,867
	-----	-----
COMMITMENTS AND CONTINGENCIES		
STOCKHOLDERS' EQUITY:		
Preferred stock, \$.01 par value - authorized 2,455,000 shares; none issued and outstanding	--	--
Common stock, \$.01 par value - authorized, 80,000,000 and 40,000,000 shares; issued and outstanding, 28,059,063 and 19,662,233 shares	281	197
Additional paid-in capital	234,549	92,181
Accumulated deficit	(111,653)	(48,005)
Accumulated other comprehensive loss	(8,260)	(1,847)
	-----	-----
Total stockholders' equity	114,917	42,526

TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY

\$ 673,963

\$ 355,393

See notes to consolidated financial statements.

F-4

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED
CONSOLIDATED STATEMENT OF STOCKHOLDERS' EQUITY
(in thousands)

	Preferred Stock		Common Stock		Paid-In Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Stockholders Equity
	Shares	Amount	Shares	Amount				
BALANCE, DECEMBER 31, 1995	--	\$ --	7,064	\$ 71	\$ 5,496	\$ (3,002)	\$ (3)	\$ 2,562
Common shares sold through private placement, net of transaction costs	--	--	3,148	31	21,837	--	--	21,868
Common shares issued for services performed	--	--	279	3	987	--	--	990
Preferred shares issued for acquisition	455	5	--	--	5,455	--	--	5,460
Common shares sold, net of transaction costs	--	--	5,750	58	54,341	--	--	54,399
Conversion of preferred shares to common shares	(455)	(5)	1,538	15	(10)	--	--	--
Foreign currency translation adjustment	--	--	--	--	--	--	(75)	(75)
Net loss	--	--	--	--	--	(8,764)	--	(8,764)
BALANCE, DECEMBER 31, 1996	--	--	17,779	178	88,106	(11,766)	(78)	76,440
Common shares issued upon exercise of warrants	--	--	1,843	19	1,453	--	--	1,472
Common shares issued for employer 401(k) match	--	--	5	--	45	--	--	45
Common shares issued upon exercise of employee stock options	--	35	--	42	--	--	42	--
Senior note offering - warrants	--	--	--	--	2,535	--	--	2,535
Foreign currency translation adjustment	--	--	--	--	--	--	(1,769)	(1,769)
Net loss	--	--	--	--	--	(36,239)	--	(36,239)
BALANCE, DECEMBER 31, 1997	--	--	19,662	197	92,181	(48,005)	(1,847)	42,526
Common shares issued for business acquisitions	--	--	7,864	79	137,547	--	--	137,626
Common shares issued for employer 401(k) match	--	--	9	--	119	--	--	119
Common shares issued upon exercise of employee stock options	--	489	5	4,334	--	--	4,339	--
Common shares issued for employee stock purchase plan	--	--	24	--	263	--	--	263
Common shares issued upon exercise of warrants	--	--	11	--	105	--	--	105
Foreign currency translation adjustment	--	--	--	--	--	--	(6,413)	(6,413)
Net loss	--	--	--	--	--	(63,648)	--	(63,648)
BALANCE, DECEMBER 31, 1998	--	\$ --	28,059	\$ 281	\$ 234,549	\$ (111,653)	\$ (8,260)	\$ 114,917

F-5

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED
CONSOLIDATED STATEMENT OF CASH FLOWS
(in thousands)

	For the Year Ended		
	1998	December 31, 1997	1996
CASH FLOWS FROM OPERATING ACTIVITIES:			
Net loss	\$ (63,648)	\$ (36,239)	\$ (8,764)
Adjustments to reconcile net loss to net cash used in operating activities:			
Depreciation, amortization and accretion	24,547	6,733	2,164
Sales allowance	9,431	6,185	1,960
Foreign currency transaction (gain) loss	--	(407)	345
Stock issuance - 401(k) plan employer match	119	45	--

Changes in assets and liabilities:			
(Increase) decrease in accounts receivable	(20,765)	(34,240)	(19,405)
(Increase) decrease in prepaid expenses and other current assets	(7,027)	(4,080)	(227)
(Increase) decrease in other assets	735	1,147	(1,621)
Increase (decrease) in accounts payable	(8,196)	30,247	11,729
Increase (decrease) in accrued expenses, other current liabilities and other liabilities	(8,073)	5,000	6,032
Increase (decrease) in accrued interest payable	1,581	10,852	847
	-----	-----	-----
Net cash provided by (used in) operating activities	(71,296)	(14,757)	(6,940)
	-----	-----	-----
CASH FLOWS FROM INVESTING ACTIVITIES:			
Purchase of property and equipment	(75,983)	(39,465)	(12,745)
(Purchase) sale of short-term investments	--	25,125	(25,125)
(Purchase) sale of restricted investments	22,927	(73,550)	--
Cash used for business acquisitions, net of cash acquired	(1,165)	(16,349)	(1,701)
	-----	-----	-----
Net cash provided by (used in) investing activities	(54,221)	(104,239)	(39,571)
	-----	-----	-----
CASH FLOWS FROM FINANCING ACTIVITIES:			
Principal payments on capital leases and long-term obligations	(2,373)	(16,881)	(508)
Proceeds from sale of common stock and exercise of employee stock options	4,707	1,514	77,576
Proceeds from issuance of long-term obligations	150,000	225,000	2,407
Deferred financing costs	(5,500)	(9,500)	--
	-----	-----	-----
Net cash provided by (used in) financing activities	146,834	200,133	79,475
	-----	-----	-----
EFFECTS OF EXCHANGE RATE CHANGES ON CASH AND CASH EQUIVALENTS	(353)	(1,379)	214
	-----	-----	-----
NET CHANGE IN CASH AND CASH EQUIVALENTS	20,964	79,758	33,178
CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR	115,232	35,474	2,296
	-----	-----	-----
CASH AND CASH EQUIVALENTS, END OF YEAR	\$ 136,196	\$ 115,232	\$ 35,474
	=====	=====	=====
SUPPLEMENTAL CASH FLOW INFORMATION			
Cash paid for interest	\$ 38,466	\$ 2,745	\$ 149
Non-cash investing and financing activities:			
Common stock issued for services	\$ --	\$ --	\$ 990
Capital leases for acquisition of equipment	\$ 16,958	\$ 8,228	\$ 388
Notes payable for acquisition of equipment	\$ --	\$ --	\$ 2,826

See notes to consolidated financial statements.

F-6

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED
CONSOLIDATED STATEMENT OF COMPREHENSIVE LOSS
(in thousands)

	For the Year Ended December 31,		
	1998	1997	1996
	----	----	----
NET LOSS	\$ (63,648)	\$ (36,239)	\$ (8,764)
OTHER COMPREHENSIVE LOSS -			
Foreign currency translation adjustment	(6,413)	(1,769)	(75)
	-----	-----	-----
COMPREHENSIVE LOSS	\$ (70,061)	\$ (38,008)	\$ (8,839)
	=====	=====	=====

See notes to consolidated financial statements.

F-7

1. ORGANIZATION AND BUSINESS

Primus Telecommunications Group, Incorporated ("Primus" or the "Company") is a facilities-based global telecommunications company that offers international and domestic long distance, Internet and data, and other telecommunications services to business, residential and other telecommunications carrier customers primarily in North America, the Asia-Pacific and Europe. The Company, incorporated in the state of Delaware, operates as a holding company and has wholly-owned operating subsidiaries in the United States, Canada, Mexico, Australia, Japan, the United Kingdom and Germany.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Principles of Consolidation--The consolidated financial statements include the accounts of the Company and its wholly-owned and majority-owned subsidiaries. All intercompany accounts and transactions have been eliminated.

Revenue Recognition--Revenues from long distance telecommunications services are recognized when the services are provided and are presented net of estimated uncollectible amounts.

Cost of Revenue--Cost of revenue includes network costs that consist of access, transport, and termination costs. Such costs are recognized when incurred in connection with the provision of telecommunications services.

Foreign Currency Translation--The assets and liabilities of the Company's foreign subsidiaries are translated at the exchange rates in effect on the reporting date, and income and expenses are translated at the average exchange rate during the period. The net effect of such translation gains and losses are reflected within accumulated other comprehensive loss in the stockholders' equity section of the balance sheet.

Cash and Cash Equivalents--The Company considers cash on hand, deposits in banks, certificates of deposit, and overnight repurchase agreements with original maturities of three months or less to be cash and cash equivalents.

Restricted Investments -- Restricted investments consist of United States Federal Government-backed obligations which are recorded at amortized cost. These securities are classified as held-to-maturity and are restricted to satisfy certain interest obligations on the Company's 1997 Senior Notes.

Property and Equipment--Property and equipment, which consists of fiber optic cable and telecommunications equipment, furniture and computer equipment, leasehold improvements and software is stated at cost less accumulated depreciation and amortization. Depreciation and amortization expense are computed using the straight-line method over the estimated useful lives of the assets which range from three to twenty-five years, or for leasehold improvements and leased equipment, over the terms of the leases or estimated lives, whichever is shorter. Expenditures for maintenance and repairs that do not materially extend the useful lives of the assets are charged to expense.

Intangible Assets--At December 31, 1998 and 1997 intangible assets, net of accumulated amortization, consist of goodwill of \$179.9 million and \$27.8 million respectively, and customer lists of \$25.1 million and \$5.3 million respectively. Goodwill is being amortized over 30 years on a straight-line basis and customer lists over the estimated run-off of the customer bases not to exceed five years. Accumulated amortization at December 31, 1998 and 1997, was \$4.7 million and \$1.2 million related to

F-8

goodwill and \$5.9 million and \$1.9 million related to customer lists, respectively. The Company periodically evaluates the realizability of intangible and other long-lived assets. In making such evaluations, the Company compares certain financial indicators such as expected undiscounted future revenues and cash flows to the carrying amount of the assets. The Company believes that no impairments exist as of December 31, 1998.

Deferred Financing Costs--Deferred financing costs incurred in connection with the 1998 Senior Notes and the 1997 Senior Notes are reflected within other assets and are being amortized over the life of the respective Senior Notes using the straight-line method which does not differ materially from the effective interest method.

Stock-Based Compensation--The Company adopted Statement of Financial Accounting Standards No. 123 ("SFAS 123"), Accounting for Stock-Based Compensation. Under the provisions of SFAS 123, the Company continues to measure compensation expense for its stock-based employee compensation plans using the intrinsic value method prescribed by Accounting Principles Board Opinion No. 25, Accounting for Stock Issued to Employees, and has provided in Note 10 pro forma disclosures of the effect on net loss and loss per share as if the fair value-based method prescribed by SFAS 123 had been applied in measuring compensation expense.

Use of Estimates--The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of net revenue and expenses during the reporting period. Actual results could differ from those estimates.

Concentration of Credit Risk--Financial instruments that potentially subject the Company to concentration of credit risk principally consist of trade accounts receivable. The Company performs ongoing credit evaluations of its customers but generally does not require collateral to support customer receivables.

Income Taxes--The Company recognizes income tax expense for financial reporting purposes following the asset and liability approach for computing deferred income taxes. Under this method, the deferred tax assets and liabilities are determined based on the difference between financial reporting and tax bases of assets and liabilities based on enacted tax rates. Deferred tax assets are reduced by a valuation allowance when, in the opinion of management, it is more likely than not that some portion or all of the deferred tax assets will not be realized.

Net Loss Per Share--The Company has computed basic and diluted net loss per share based on the weighted average number of shares of common stock and potential common stock outstanding during the period. Potential common stock, for purposes of determining diluted net loss per share, would include, where applicable, the effects of dilutive stock options, warrants, and convertible securities, and the effect of such potential common stock would be computed using the treasury stock method or the if-converted method. None of the Company's outstanding options and warrants are considered to be dilutive.

Comprehensive Income (Loss)--In 1998, the Company adopted the provisions of Statement of Financial Accounting Standards No. 130 ("SFAS 130"), Reporting Comprehensive Income. As such, a consolidated statement of comprehensive loss reflecting the aggregation of net loss and foreign currency translation adjustments, the Company's principal components of other comprehensive income or loss, has been presented for each of the three years in the period ended December 31, 1998.

Operating Segments--In 1998, the Company adopted the provisions of Statement of Financial Accounting Standards No. 131 ("SFAS 131"), Disclosures about Segments of an Enterprise and Related Information (Note 13). SFAS 131 superceded SFAS 14 and its adoption resulted in revised and additional disclosures but had no effect on the financial position, results of operations or liquidity of the Company.

F-9

New Accounting Pronouncements--In June 1998, Statement of Financial Accounting Standards No. 133 ("SFAS 133"), Accounting for Derivative Instruments and Hedging Activities was issued. SFAS 133 established standards for the accounting and reporting of derivative instruments and hedging activities and requires that all derivative financial instruments be measured at fair value and recognized as assets or liabilities in the financial statements. The Statement will be adopted by the Company during fiscal 2000, and the Company is currently evaluating the impact of such adoption.

In April 1998, the American Institute of Certified Public Accountants (AICPA) issued Statement of Position ("SoP") 98-5, Reporting on the Costs of Start-Up Activities. SoP 98-5 provides guidance on the financial reporting of start-up and organizational costs. The effect of adopting SoP 98-5 is not expected to have a material effect on the financial position, results of

operation or liquidity of the Company.

Reclassifications--Certain previous year amounts have been reclassified to conform with current year presentation.

3. ACQUISITIONS

On June 9, 1998 the Company acquired TresCom International, Inc. ("TresCom"), a long distance telecommunications carrier focused on international long distance traffic originating in the United States and terminating in the Caribbean and Central and South America regions. As a result of the acquisition, all of the approximately 12.7 million TresCom common shares outstanding were exchanged for approximately 7.8 million shares of the Company's common stock valued at approximately \$138 million. An additional \$11.7 million cash purchase obligation associated with a subsidiary of TresCom is expected to be paid during 1999 and has been included in accrued expenses and other current liabilities.

In March 1998 the Company purchased a 60% controlling interest in Hotkey Internet Services Pty., Ltd. ("Hotkey"), an Australian Internet service provider, for approximately \$1.3 million.

Effective March 1, 1998 the Company acquired all of the outstanding stock of Eclipse Telecommunications Pty., Ltd. ("Eclipse"), a data communications provider in Australia. The Company paid approximately \$1.8 million in cash and 27,500 shares of the Company's Common Stock for Eclipse.

On October 20, 1997, the Company acquired the equity and ownership interests in Telepassport L.L.C. ("Telepassport") for a purchase price of \$6.0 million. Additionally, on October 20, 1997, the Company purchased substantially all of the assets of USFI, Inc. ("USFI") for \$5.5 million. Telepassport and USFI were under common control and engaged in the business of providing international and domestic telecommunication services, including long distance and reorigination services in Europe, Asia, and South Africa.

On April 8, 1997, the Company acquired the assets of Cam-Net Communications Network, Inc. and its subsidiaries, a Canadian based provider of domestic and international long distance service. The purchase price was approximately \$5.0 million in cash.

On March 1, 1996, the Company acquired the outstanding capital stock of Axicorp Pty., Ltd. (subsequently renamed Primus Australia), the fourth largest telecommunications carrier in Australia. The purchase price consisted of cash, Company stock, and seller financing. The Company paid \$5.7 million cash, including transaction costs, and issued 455,000 shares of its Series A Convertible Preferred Stock, which were subsequently converted to 1,538,355 common shares. The Company also issued two notes aggregating \$8.1 million to the sellers, both of which were repaid in full during 1997.

The Company has accounted for all of these acquisitions using the purchase method. Accordingly, the results of operations of the acquired companies are included in the consolidated results of operations of the Company, as of the date of their respective acquisition.

F-10

Unaudited pro forma operating results for the years ended December 31, 1998 and 1997, as if the acquisitions of TresCom, Telepassport and USFI had occurred as of January 1, 1997, are as follows (in thousands, except per share amounts):

	1998	1997
	----	----
Net revenue	\$ 485,196	\$ 448,929
Net loss	\$ (75,956)	\$ (63,426)
Basic and diluted net loss per share	\$ (2.73)	\$ (2.43)

The pro forma financial information is presented for informational purposes only and is not necessarily indicative of the operating results that would have occurred had the acquisitions been consummated as of the above dates, nor are they necessarily indicative of future operations.

4. PROPERTY AND EQUIPMENT

Property and equipment consist of the following (in thousands):

	December 31,	
	----- 1998 -----	----- 1997 -----
Network equipment	\$ 148,413	\$ 48,246
Furniture and equipment	11,987	9,334
Leasehold improvements	2,907	1,845
Construction in progress	16,157	5,147
	-----	-----
	179,464	64,572
Less: Accumulated depreciation and amortization	(20,591)	(5,331)
	-----	-----
	\$ 158,873	\$ 59,241
	=====	=====

Equipment under capital leases totaled \$34.5 million and \$9.2 million with accumulated depreciation of \$4.3 million and \$0.8 million at December 31, 1998 and 1997, respectively.

5. LONG-TERM OBLIGATIONS

Long-term obligations consist of the following (in thousands):

	December 31,	
	----- 1998 -----	----- 1997 -----
Obligations under capital leases	\$ 28,268	\$ 8,487
Revolving Credit Agreement	17,819	--
Senior Notes	372,978	222,616
Other long-term obligations	1,109	108
	-----	-----
Subtotal	420,174	231,211
Less: Current portion of long-term obligations	(22,423)	(1,059)
	-----	-----
	\$ 397,751	\$ 230,152
	=====	=====

As a result of the acquisition of TresCom, the Company has a \$25 million revolving credit and security agreement (the "Revolving Credit Agreement") with a commercial bank secured by certain of the Company's accounts receivable. In January 1999, the Company voluntarily repaid in full and terminated the Revolving Credit Agreement.

On May 19, 1998 the Company completed the sale of \$150 million 9 7/8% Senior Notes ("1998 Senior Notes"). The 1998 Senior Notes are due May 15, 2008 with early redemption at the option of the

F-11

Company at any time after May 15, 2003. In addition, prior to May 15, 2001, the Company may redeem up to 25% of the originally issued principal amount of the 1998 Senior Notes at 109.875% of the principal amount thereof, plus accrued and unpaid interest through the redemption date. Interest is payable each May 15th and November 15th.

On August 4, 1997 the Company completed the sale of \$225 million 11 3/4% Senior Notes ("1997 Senior Notes") and Warrants ("the Offering") to purchase 392,654 shares of the Company's common stock. The 1997 Senior Notes are due August 1, 2004 with early redemption at the option of the Company at any time after August 1, 2001, at a premium to par value. Dividends are currently prohibited by the senior notes indenture. Interest payments are due semi-annually on February 1st and August 1st. A portion of the proceeds from the offering of the 1997 Senior Notes have been pledged to secure the first six semi-annual interest payments on the 1997 Senior Notes and are reflected on the balance sheet as restricted investments. A portion of the proceeds of the Offering, \$2.535 million, was allocated to the warrants, and the resulting debt discount is being amortized over the life of the debt on the straight-line method which does not differ materially from the effective interest method.

6. INCOME TAXES

The differences between the tax provision calculated at the statutory federal income tax rate and the actual tax provision for each period is shown in the table below (in thousands):

	For the Year Ended December 31,		
	1998	1997	1996
Tax benefit at federal statutory rate	\$ (22,277)	\$ (12,294)	\$ (2,913)
State income tax, net of federal benefit	(1,387)	(2,100)	(491)
Foreign taxes	--	81	196
Unrecognized benefit of net operating losses	21,506	14,394	3,387
Other	2,158	--	17
Income taxes	\$ --	\$ 81	\$ 196

The significant components of the Company's deferred tax assets and liabilities are as follows (in thousands):

	December 31,	
	1998	1997
Deferred tax assets (non-current):		
Cash to accrual basis adjustments (U.S.)	\$ 269	\$ 590
Accrued expenses	5,393	936
Net operating loss carryforwards	32,606	17,856
Valuation allowance	(38,268)	(16,762)
	\$ --	\$ --
Deferred tax liabilities (current):		
Accrued income	\$ --	\$ 903
Other	--	385

F-12

Depreciation	361	526
	\$ 361	\$ 1,814

During the year ended December 31, 1998, the valuation allowance increased by approximately \$21.5 million primarily due to the acquisition of TresCom and its related net operating losses.

At December 31, 1998, the Company had operating loss carryforwards available to reduce future federal taxable income which expire as follows (in millions):

Year	Primus	TresCom
2009	\$6.1	\$5.8
2010	7.1	5.4
2011	6.9	1.9
2012	33.2	10.6
2018	35.6	--
	\$88.9	\$23.7

Approximately \$23.7 million of operating loss carryforwards relate to the acquisition of TresCom. Utilization of these operating losses is limited to the offset of future TresCom operating income. The Company's net operating loss

carryforwards for state purposes are not significant and, therefore, have not been recorded as deferred tax assets.

At December 31, 1998, the Company had Australian and United Kingdom net operating loss carryforwards of \$18.6 million and \$2.1 million (in United States dollars), respectively, that have no expiration periods.

No provision was made in 1998 for U.S. income taxes on the undistributed earnings of the foreign subsidiaries as it is the Company's intention to utilize those earnings in the foreign operations for an indefinite period of time or to repatriate such earnings only when tax effective to do so. It is not practicable to determine the amount of income or withholding tax that would be payable upon the remittance of those earnings.

7. FAIR VALUE OF FINANCIAL INSTRUMENTS

The carrying amounts reported in the consolidated balance sheet for cash and cash equivalents, restricted investments, accounts receivable and accounts payable approximate fair value. The estimated fair value of the Company's 1998 and 1997 Senior Notes (carrying value of \$373 million), based on quoted market prices, at December 31, 1998 was \$375 million. The estimated fair value of the Company's 1997 Senior Notes (carrying value of \$223 million), based on quoted market prices, at December 31, 1997 was \$242 million.

8. COMMITMENTS AND CONTINGENCIES

Future minimum lease payments under capital lease obligations and non-cancelable operating leases as of December 31, 1998 are as follows (in thousands):

Year Ending December 31,	Capital Leases	Operating Leases
	-----	-----
1999	\$7,219	\$5,295
2000	7,604	3,502
2001	8,088	3,187
F-13		
2002	8,045	2,740
2003	4,934	1,754
Thereafter	198	3,058
	-----	-----
Total minimum lease payments	36,088	\$19,536
Less: Amount representing interest	(7,820)	=====

	\$28,268	=====

Rent expense under operating leases was \$4.8 million, \$2.6 million and \$1.1 million for the years ended December 31, 1998, 1997 and 1996, respectively.

9. STOCKHOLDERS' EQUITY

In December 1998, the Company adopted a Stockholders' Rights Plan (the "Rights Plan") under which preferred stock purchase rights have been granted to the Company's common stockholders of record at the close of business on December 31, 1998. The rights will become exercisable if a person or group becomes the beneficial owner of more than 20% of the outstanding common stock of the Company or announces an offer to become the beneficial owner of more than 20% of the outstanding common stock of the Company.

In June 1998, the Company issued 7,836,324 shares of its common stock, valued at \$137.6 million, in exchange for all of the outstanding common shares of TresCom. Additionally, the Board amended the Company's Amended and Restated Certificate of Incorporation (the "Certificate") to increase the authorized Common Stock to 80,000,000 shares.

In October 1997, the Company issued 1,842,941 shares of its common stock pursuant to the exercise of certain warrants, which had been issued in connection with the Company's \$ 16 million July 1996 private equity sale. In

connection with such exercise, the Company received approximately \$1.5 million.

In August 1997 the Company completed a Senior Notes and Warrants Offering. Warrants valued at \$2,535,000 to purchase 392,654 shares of the Company's common stock at a price of \$ 9.075 per share were issued.

In November 1996, the Company completed an initial public offering of 5,750,000 shares of its Common Stock. The net proceeds to the Company (after deducting underwriter discounts and offering expenses) were \$54.4 million.

In connection with the Company's initial public offering, the Board approved a split of all shares of Common Stock at a ratio of 3.381 to one as of November 7, 1996 and amended the Company's Certificate to increase the authorized Common Stock to 40,000,000 shares. All share amounts presented have been restated to give effect to the November 7, 1996 stock split.

In February 1996, the Company's Certificate was amended to authorize 2,455,000 shares of Preferred Stock (nonvoting) with a par value of \$0.01 per share. On March 1, 1996, 455,000 shares of Series A Convertible Preferred Stock were issued in connection with the purchase of Primus Australia. The outstanding Preferred Stock was converted to Common Stock prior to the date of the Company's initial public offering.

10. STOCK-BASED COMPENSATION

In December 1998, the Company established the 1998 Restricted Stock Plan (the "Restricted Plan") to facilitate the grant of restricted stock to selected individuals who contribute to the development and success of the Company. The total number of shares of common stock that may be granted under the

F-14

Restricted Plan is 750,000. As of December 31, 1998, there had not been any grants under the Restricted Plan.

The Company sponsors an Employee Stock Option Plan (the "Employee Plan"). The total number of shares of common stock authorized for issuance under the Employee Plan is 3,690,500. Under the Employee Plan, awards may be granted to key employees of the Company and its subsidiaries in the form of Incentive Stock Options or Nonqualified Stock Options. The Employee Plan allows the granting of options at an exercise price of not less than 100% of the stock's fair value at the date of grant. The options vest over a period of up to three years, and no option will be exercisable more than ten years from the date it is granted.

The Company sponsors a Director Stock Option Plan (the "Director Plan") for non-employee directors. Under the Director Plan, an option is granted to each qualifying non-employee director to purchase 15,000 shares of common stock, which vests over a two-year period. The option price per share is the fair market value of a share of common stock on the date the option is granted. No option will be exercisable more than ten years from the date of grant. An aggregate of 338,100 shares of common stock were reserved for issuance under the Director Plan.

A summary of stock option activity during the three years ended December 31, 1998 is as follows:

	1998		1997		1996	
	Shares	Weighted Average Exercise Price	Shares	Weighted Average Exercise Price	Shares	Weighted Average Exercise Price
Options outstanding-						
Beginning of year	2,555,360	\$ 6.95	1,587,894	\$ 3.02	722,015	\$ 2.64
Granted	1,298,937	16.07	1,063,750	12.59	913,552	3.35
Exercised	(488,835)	7.42	(35,724)	1.19	--	--
Forfeitures	(236,896)	17.52	(60,560)	6.27	(47,673)	3.55
Outstanding - end of year	3,128,566	\$ 9.87	2,555,360	\$ 6.95	1,587,894	\$ 3.02
Eligible for exercise-End of year	1,427,041	\$ 6.93	899,170	\$ 3.00	511,149	\$ 2.81

The following table summarizes information about stock options outstanding at December 31, 1998:

Range of Option Prices	Options Outstanding			Options Exercisable	
	Total Outstanding	Weighted Average Remaining Life in years	Weighted Average Exercise Price	Total Exercisable	Weighted Average Exercise Price
\$ 0.01 to \$ 3.55	1,176,527	2.06	\$3.07	913,195	\$2.99
\$ 3.56 to \$ 14.00	1,474,017	4.73	\$12.24	409,307	\$12.59
\$ 14.01 to \$ 23.87	478,022	5.39	\$19.28	104,539	\$19.13
	3,128,566			1,427,041	

F-15

The weighted average fair value at date of grant for options granted during 1998, 1997 and 1996 was \$7.37, \$5.45 and \$1.38 per option, respectively. The fair value of each option grant is estimated on the date of grant using the Black-Scholes option pricing model with the following assumptions:

	1998	1997	1996
Expected dividend yield	0%	0%	0%
Expected stock price volatility	97%	80%	49%
Risk-free interest rate	4.5%	5.7%	6.0%
Expected option term	4 years	4 years	4 years

If compensation cost for the Company's grants for stock-based compensation had been recorded consistent with the fair value-based method of accounting per SFAS 123, the Company's pro forma net loss, and pro forma basic and diluted net loss per share for the years ending December 31, would be as follows:

	1998	1997	1996
Net loss (amounts in thousands)			
As reported	\$ (63,648)	\$ (36,239)	\$ (8,764)
Pro forma	\$ (67,621)	\$ (37,111)	\$ (9,242)
Basic and diluted net loss per share			
As reported	\$ (2.61)	\$ (1.99)	\$ (0.75)
Pro forma	\$ (2.77)	\$ (2.03)	\$ (0.79)

11. EMPLOYEE BENEFIT PLANS

The Company sponsors a 401(k) employee benefit plan (the "401(k) Plan") that covers substantially all United States based employees. Employees may contribute amounts to the 401(k) Plan not to exceed statutory limitations. The 401(k) plan provides an employer matching contribution of 50% of the first 6% of employee annual salary contributions. The employer match is made in common stock of the Company and is subject to 3-year cliff vesting. The Company contributed Primus common stock valued at approximately \$119,000 and \$45,000 during 1998 and 1997.

Effective January 1, 1998, the Company adopted an Employee Stock Purchase Plan ("ESPP"). The ESPP allows employees to contribute up to 15% of their compensation to be used toward purchasing the Company's common stock at 85% of the fair market value. An aggregate of 2,000,000 shares of common stock were reserved for issuance under the ESPP.

12. RELATED PARTIES

In June 1998, a subsidiary of the Company entered into a \$2.1 agreement for the design, manufacture, installation and the provision of training with

respect to a satellite earth station in London. A Director of the Company is the Chairman and a stockholder of the company providing such services. During 1998, \$1.2 million was paid for the above services.

13. VALUATION AND QUALIFYING ACCOUNTS

Activity in the Company's allowance accounts for the years ended December 31, 1998, 1997 and 1996 was as follows (in thousands):

Doubtful Accounts					
Period	Balance at Beginning of Period	Charged to Costs and Expenses	Deductions	Other (1)	Balance at End of Period
1996	\$ 132	\$1,960	\$ (377)	\$ 870	\$ 2,585
1997	\$2,585	\$6,185	\$ (4,309)	\$ 583	\$ 5,044
1998	\$5,044	\$9,431	\$ (12,772)	\$13,273	\$ 14,976

F-16

Deferred Tax Asset Valuation					
Period	Balance at Beginning of Period	Charged to Costs and Expenses	Deductions	Other	Balance at End of Period
1996	\$ 1,087	\$ 1,641	\$-	\$-	\$ 2,728
1997	\$ 2,728	\$14,034	\$-	\$-	\$16,762
1998	\$16,762	\$21,506	\$-	\$-	\$38,268

(1) Other additions represent the allowances for doubtful accounts, which were recorded in connection with business acquisitions.

14. OPERATING SEGMENT AND RELATED INFORMATION

The Company has three reportable operating segments based on management's organization of the enterprise into geographic areas - North America, Asia-Pacific and Europe. The Company evaluates the performance of its segments and allocates resources to them based upon net revenue and EBITDA. The Company defines EBITDA as net income (loss) before interest expense and interest income, income taxes, depreciation and amortization and other income (expense).

Operations and assets of the North American segment include shared corporate functions and assets which the Company does not allocate to its other geographic segments for management reporting purposes. Summary information with respect to the Company's segments is as follows (in thousands):

	Year Ended December 31,		
	1998	1997	1996
Net Revenue			
North America	\$ 188,008	\$ 74,359	\$ 16,573
Asia-Pacific	172,757	183,126	151,253
Europe	60,863	22,712	5,146
	=====	=====	=====
Total	\$ 421,628	\$ 280,197	\$ 172,972
	=====	=====	=====
EBITDA			
North America	\$ (14,420)	\$ (14,709)	\$ (5,965)
Asia-Pacific	1,482	(5,856)	2,207
Europe	2,018	(2,591)	(2,229)

Total	=====	=====	=====
	\$ (10,920)	\$ (23,156)	\$ (5,987)
	=====	=====	=====
Capital Expenditures			
North America	\$ 33,431	\$ 12,441	\$ 7,453
Asia-Pacific	24,589	16,506	4,263
Europe	17,763	10,518	1,029
	=====	=====	=====
Total	\$ 75,983	\$ 39,465	\$ 12,745
	=====	=====	=====

December 31,

	-----	-----	-----
	1998	1997	1996
	-----	-----	-----
Assets			
North America	\$ 507,356	\$ 249,109	\$ 67,575
Asia-Pacific	109,290	83,476	62,823
Europe	57,317	22,808	5,211
	=====	=====	=====
Total	\$ 673,963	\$ 355,393	\$ 135,609
	=====	=====	=====

F-17

The above expenditures for long-lived assets exclude assets acquired in business combinations and under terms of capital leases.

15. QUARTERLY RESULTS OF OPERATIONS (UNAUDITED)

The following is a tabulation of the unaudited quarterly results of operations for the two years ended December 31, 1998 and 1997:

For the quarter ended

	-----	-----	-----	-----
	March 31, 1998	June 30, 1998	September 30, 1998	December 31, 1998
	-----	-----	-----	-----
	(in thousands)			
Net Revenue	\$ 80,051	\$ 99,475	\$116,047	\$126,055
Gross Margin	\$ 11,329	\$ 15,349	\$ 19,490	\$ 22,444
Net Loss	\$(12,317)	\$(14,793)	\$(19,035)	\$(17,503)

For the quarter ended

	-----	-----	-----	-----
	March 31, 1997	June 30, 1997	September 30, 1997	December 31, 1997
	-----	-----	-----	-----
	(in thousands)			
Net Revenue	\$59,036	\$70,045	\$ 73,018	\$ 78,098
Gross Margin	\$ 4,002	\$ 5,867	\$ 7,752	\$ 9,845
Net Loss	\$(4,907)	\$(8,875)	\$(10,591)	\$(11,866)

16. SUBSEQUENT EVENTS

On March 31, 1999, the Company purchased the common stock of London Telecom Network, Inc. and certain related entities that provide long distance telecommunications services in Canada (the "LTN Companies"), for approximately \$36 million in cash (including payments made in exchange for certain non-competition agreements). In addition, on March 31, 1999, the Company entered into an agreement to purchase for \$14 million in cash substantially all of the operating assets of Wintel CNC Communications Inc. and Wintel CNT Communications Inc. (the "Wintel Companies"), which are Canada-based long distance telecommunications providers affiliated with the LTN Companies. The purchase of the assets of the Wintel Companies is expected to close in early May 1999. If the LTN companies and the Wintel Companies collectively achieve certain financial goals during the first half of 1999, the Company has agreed to pay up to an additional \$4.6 million in cash.

In February 1999 the Company purchased the remaining 40% of Hotkey Internet Services Pty., Ltd. ("Hotkey"), a Melbourne, Australia-based Internet service provider. The remaining 40% was purchased for approximately \$1.1 million comprised of \$0.3 million in cash and 57,025 shares of the Company's common stock.

On February 5, 1999 the Company acquired all of the outstanding shares in the capital of GlobalServe Communications, Inc., a privately held Internet services provider ("ISP") based in Toronto, Canada. The purchase price of approximately \$4.2 million was comprised of \$2.1 million in cash and 142,806 shares of the Company's common stock.

F-18

On January 29, 1999 the Company completed the sale of \$200 million 11 1/4% Senior Notes ("1999 Senior Notes") due 2009 with semi-annual interest payments. The \$192.5 million in net proceeds of the 1999 Senior Notes will be used to fund capital expenditures to expand and develop the Company's global Network and other corporate purposes.

F-19

SUPPLEMENTAL INDENTURE

SUPPLEMENTAL INDENTURE dated as of January 20, 1999 (the "Supplemental Indenture") between PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED, a Delaware corporation, as issuer (the "Company"), and FIRST UNION NATIONAL BANK, a banking association organized and existing under the laws of the United States, as trustee (the "Trustee").

W I T N E S S E T H :

WHEREAS, the Company and the Trustee are parties to the Indenture dated as of August 4, 1997 (as the same has been amended, and may hereafter be further amended, supplemented or otherwise modified from time to time, the "Indenture") relating to the 11-3/4% Senior Notes due 2004 (the "Notes") of the Company;

WHEREAS, the Board of Directors of the Company has adopted a resolution authorizing the Company to enter into this Supplemental Indenture;

WHEREAS, Section 902 of the Indenture authorizes the Company and the Trustee, in accordance with the terms thereof, to enter into this supplemental indenture with the consent of the Holders of not less than a majority in principal amount of the Notes; and

WHEREAS, the Company has requested the Trustee and the Trustee has agreed to join in the execution of this Supplemental Indenture pursuant to Section 902 of the Indenture on the terms and subject to the conditions set forth below;

NOW, THEREFORE, in consideration of the promises and mutual agreements herein contained, the Company and the Trustee mutually covenant and agree for the equal and proportionate benefit of the Holders from time to time of the Notes as follows:

ARTICLE 1 AMENDMENTS TO THE INDENTURE.

1.1. Amendment to Section 101 (Definitions). Section 101 of the Indenture is hereby amended by:

(a) deleting the percentage amount "5.0%" from clause (vii) of the definition of Permitted Investment, and substituting therefor "10.0%";

(b) deleting in its entirety clause (xxi) from the definition of Permitted Liens and substituting therefor the following clauses (xxi) and (xxii):

"(xxi) Liens on the property or assets of a Restricted Subsidiary securing Indebtedness of such Subsidiary which Indebtedness is permitted under the Indenture; and (xxii) Liens securing Indebtedness under Credit Facilities incurred in compliance with clauses (i) and (ii) of paragraph (b) of Section 1011."

1.2. Amendment to Section 1011 (Limitation on Indebtedness). Section 1011 of the Indenture is hereby amended by deleting such Section in its entirety, and substituting therefor, the following new Section 1011:

"SECTION 1011. Limitation on Indebtedness.

(a) The Company will not, and will not permit any of its Restricted Subsidiaries to, Incur any Indebtedness (other than the Notes and Existing Indebtedness); provided, however, that the Company may Incur Indebtedness, and any Restricted Subsidiary may Incur Acquired Indebtedness, if immediately thereafter the ratio of (i) the aggregate principal amount (or accreted value, as the case may be) of Indebtedness of the Company and its Restricted Subsidiaries on a consolidated basis outstanding as at the Transaction Date to (ii) the Pro Forma Consolidated Cash Flow for the preceding two full fiscal quarters multiplied by two, determined on a pro forma basis as if any such Indebtedness that had been Incurred and the proceeds thereof had been applied at the beginning of such two fiscal quarters, would be greater than zero and less

than 5.0 to 1.

(b) Notwithstanding the foregoing, the Company and (except for Indebtedness under subsections (v) and (vii) below) any Restricted Subsidiary may Incur each and all of the following:

(i) Indebtedness of the Company or any Restricted Subsidiary under one or more Credit Facilities in an aggregate principal amount at any one time outstanding not to exceed the greater of (a) \$50 million or (b) 65% of Eligible Accounts Receivable, subject to any permanent reductions required by any other terms of the Indenture;

(ii) Indebtedness (including Guarantees) Incurred by the Company or a Restricted Subsidiary after the Closing Date to finance the cost (including the cost of design, development, construction, acquisition, installation or integration) of equipment used in the telecommunications business or ownership rights with respect to infeasible rights of use or minimum investment units (or similar ownership interests) in domestic or transnational fiber optic cable or other transmission facilities, in each case purchased or leased by the Company or a Restricted Subsidiary after the Closing Date (including acquisitions by way of Capitalized Leases and acquisitions of the Capital Stock of a Person that becomes a Restricted Subsidiary to the extent of the Fair Market Value (as determined in good faith by the Board of Directors, whose determination shall be conclusive and evidenced by a Board Resolution) of such equipment, ownership rights or minimum investment units so acquired, excluding the portion of the Fair Market Value of such Capital Stock attributable to property other than such equipment, ownership rights or minimum investment units);

(iii) Indebtedness of any Restricted Subsidiary to the Company or Indebtedness of the Company or any Restricted Subsidiary to any other Restricted Subsidiary; provided that any subsequent issuance or transfer of any Capital Stock which results in any such Restricted Subsidiary ceasing to be a Restricted Subsidiary or any subsequent transfer of such Indebtedness not permitted by this clause (iii) (other than to the Company or another Restricted Subsidiary) shall be deemed, in each case, to constitute the Incurrence of such Indebtedness, and provided further that Indebtedness of the Company to a Restricted Subsidiary must be subordinated in right of payment to the Notes;

(iv) Indebtedness of the Company or a Restricted Subsidiary issued in exchange for, or the net proceeds of which are used to refinance or refund, then outstanding Indebtedness of the Company or a Restricted Subsidiary, other than Indebtedness Incurred under clauses (i), (iii), (vi), (viii) and (ix) of this paragraph,

-2-

and any refinancings thereof in an amount not to exceed the amount so refinanced or refunded (plus premiums, accrued interest, and reasonable fees and expenses); provided that such new Indebtedness shall only be permitted under this clause (iv) if (A) in case the Notes are refinanced in part or the Indebtedness to be refinanced is pari passu with the Notes, such new Indebtedness, by its terms or by the terms of any agreement or instrument pursuant to which such new Indebtedness is issued or remains outstanding, is expressly made pari passu with, or subordinate in right of payment to, the remaining Notes, (B) in case the Indebtedness to be refinanced is subordinated in right of payment to the Notes, such new Indebtedness, by its terms or by the terms of any agreement or instrument pursuant to which such new Indebtedness is issued or remains outstanding, is expressly made subordinate in right of payment to the Notes at least to the extent that the Indebtedness to be refinanced is subordinated to the Notes and (C) such new Indebtedness, determined as of the date of Incurrence of such new Indebtedness, does not mature prior to the Stated Maturity of the Indebtedness to be refinanced or refunded, and the Average Life of such new Indebtedness is at least equal to the remaining Average Life of the Indebtedness to be refinanced or refunded; and provided further that in no event may Indebtedness of the Company be refinanced by means of any Indebtedness of any Restricted Subsidiary pursuant to this clause (iv);

(v) Indebtedness of the Company not to exceed, at any one time outstanding, (A) 2.00 times the Net Cash Proceeds received by the Company after May 18, 1998 from the issuance and sale of its Common Stock (other than Redeemable Stock) to a Person that is not a Subsidiary of the Company, to the extent such Net Cash Proceeds have not been used pursuant to clause (C) (2) of

the first paragraph or clauses (iii) or (iv) of the second paragraph of Section 1012 to make a Restricted Payment plus (B) 1.50 times the Fair Market Value (as determined in good faith by the Board of Directors, whose determination shall be conclusive and evidenced by a Board Resolution) of property (other than cash and cash equivalents) used in a Permitted Business or common equity interests in a Person (the property and assets of such Person consisting primarily of telecommunications assets) that becomes a Restricted Subsidiary (such Fair Market Value being that of the common equity interests received pursuant to the transaction resulting in such Person becoming a Restricted Subsidiary), and, in each case, received by the Company after May 18, 1998 from the issuance or sale of its Common Stock (other than Redeemable Stock) to a Person that is not a Subsidiary of the Company to the extent such sale of Common Stock has not been used pursuant to clauses (iii) and (iv) of the second paragraph of Section 1012 to make a Restricted Payment; provided that such Indebtedness does not mature prior to the Stated Maturity of the Notes and the Average Life of such Indebtedness is longer than that of the Notes;

(vi) Indebtedness of the Company or any Restricted Subsidiary (A) in respect of performance, surety or appeal bonds or letters of credit supporting trade payables, in each case provided in the ordinary course of business, (B) under Currency Agreements and Interest Rate Agreements; provided that such agreements (a) are designed solely to protect the Company or any Restricted Subsidiary against fluctuation in foreign currency exchange rates or interest rates and (b) do not increase the Indebtedness of the obligor outstanding at any time other than as a result of fluctuations in foreign currency exchange rates or interest rates or by reason of fees, indemnities and compensation payable thereunder; and (C) arising from agreements providing for indemnification, adjustment of purchase price or similar obligations, or from Guarantees or letters of credit, surety bonds or performance bonds securing any obligations of the Company or any of its Restricted Subsidiaries pursuant to such

-3-

agreements, in any case Incurred in connection with the disposition of any business, assets or Restricted Subsidiary of the Company (other than Guarantees of Indebtedness Incurred by any Person acquiring all or any portion of such business, assets or Restricted Subsidiary for the purpose of financing such acquisition), in a principal amount not to exceed the gross proceeds actually received by the Company or any Restricted Subsidiary in connection with such disposition;

(vii) Indebtedness of the Company, to the extent that the net proceeds thereof are promptly (A) used to repurchase Notes tendered in a Change of Control Offer or (B) deposited to defease all of the Notes as set forth in Article XIII;

(viii) Indebtedness of a Restricted Subsidiary represented by a Guarantee of the Notes and any other Indebtedness of the Company permitted by and made in accordance with Section 1018;

(ix) Indebtedness of the Company or any Restricted Subsidiary not otherwise permitted hereunder in an aggregate principal amount which, when aggregated with the principal amount of all other Indebtedness then outstanding and incurred pursuant to this clause (ix), does not exceed \$200 million at any one time outstanding, provided that to the extent that the Indebtedness outstanding and incurred pursuant to this clause (ix) exceeds \$125 million, such excess Indebtedness must be unsecured Indebtedness of the Company and must be expressly made, by its terms or the terms of any agreement or instrument pursuant to which such Indebtedness is issued or remains outstanding, (A) subordinate in right of payment to the Notes or (B) pari passu with the Notes and, in the case of such pari passu Indebtedness, must mature after the Stated Maturity of the Notes and have an Average Life longer than that of the Notes; and

(x) Acquired Indebtedness.

(c) Notwithstanding any other provision of this Section 1011, the maximum amount of Indebtedness that the Company or a Restricted Subsidiary may Incur pursuant to this Section 1011 shall not be deemed to be exceeded with respect to any outstanding Indebtedness due solely to the result of fluctuations in the exchange rates of currencies.

(d) For purposes of determining any particular amount of Indebtedness under this Section 1011, Guarantees, Liens or obligations with respect to letters of credit supporting Indebtedness otherwise included in the termination of such particular amount shall not be included. For purposes of determining compliance with this Section 1011, (A) in the event that an item of Indebtedness meets the criteria of more than one of the types of Indebtedness described in the above clauses, the Company, in its sole discretion, shall classify and from time to time may reclassify such item of Indebtedness and only be required to include the amount and type of such Indebtedness in one of such clauses and (B) the principal amount of Indebtedness issued at a price that is less than the principal amount thereof shall be equal to the amount of the liability in respect thereof determined in conformity with GAAP."

1.3. Amendment to Section 1012 (Limitation on Restricted Payments). Section 1012 of the Indenture is hereby amended by deleting the dollar amount "\$2.5 million" in clause (vii) of the second paragraph thereof, and substituting therefor, "\$5.0 million".

-4-

ARTICLE 2 MISCELLANEOUS.

2.1. The Trustee. The recitals contained herein shall be taken as the statements of the Company and the Trustee shall not assume responsibility for, or be liable in respect of, the correctness thereof. The Trustee makes no representation as to, and shall not be liable or responsible for, the validity or sufficiency of this Supplemental Indenture.

2.2. Limited Effect. Except as expressly amended hereby, all of the provisions, covenants, terms and conditions of the Indenture are ratified and confirmed, and shall remain in full force.

2.3. Counterparts; Facsimile Signatures. This Supplemental Indenture may be executed by one or more parties hereto on any number of separate counterparts, including by facsimile, and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

2.4. GOVERNING LAW. THIS SUPPLEMENTAL INDENTURE SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

IN WITNESS WHEREOF, the parties hereto have caused this Supplemental Indenture to be duly executed, all as of the date first above written.

PRIMUS TELECOMMUNICATIONS
INCORPORATED GROUP,

Attest: /s/ Robert Stankey

By: /s/ John DePodesta

Name: Robert Stankey
Title: Secretary

Name: John DePodesta
Title: Executive
Vice President

FIRST UNION NATIONAL BANK

Attest: _____

By: _____

Name:
Title:

Name:
Title:

-5-

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED,

Issuer

to

FIRST UNION NATIONAL BANK,

Trustee

Indenture

Dated as of January 29, 1999

11-1/4% Senior Notes Due 2009

11-1/4% Series B Senior Notes Due 2009

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED

Reconciliation and tie between Trust Indenture Act
of 1939 and Indenture, dated as of January 29, 1999

Trust Indenture Act Section	Indenture Section
ss.310 (a) (1)	607
(a) (2)	607
(b)	608
ss.312 (c)	701
ss.314 (a)	703
(a) (4)	1008 (a)
(c) (1)	102
(c) (2)	102
(e)	102
ss.315 (b)	601
ss. 316 (a) (last sentence)	101 ("Outstanding")
(a) (1) (A)	502, 512
(a) (1) (B)	513
(b)	508
(c)	104 (d)
ss.317 (a) (1)	503
(a) (2)	504
(b)	1003
ss.318 (a)	111

Note: This reconciliation and tie shall not, for any purpose, be deemed to be a part of the Indenture.

TABLE OF CONTENTS

	Page
RECITALS OF THE COMPANY.....	1

ARTICLE ONE

DEFINITIONS AND OTHER PROVISIONS OF GENERAL APPLICATION.....1

SECTION 101. Definitions.....1

Acquired Indebtedness.....2

Act2

Additional Notes.....2

Affiliate.....2

Agent Member.....2

Asset Acquisition.....2

Asset Disposition.....3

Asset Sale.....3

Average Life.....3

Board of Directors.....3

Board Resolution.....3

Business Day.....3

Capital Stock.....4

Capitalized Lease.....4

Capitalized Lease Obligation.....4

Change of Control.....4

Change of Control Offer.....4

Change of Control Payment.....4

Change of Control Payment Date.....4

Closing Date.....4

Commission.....5

Common Stock.....5

Company5

Company Request" or "Company Order.....5

Consolidated Cash Flow.....5

Consolidated Fixed Charges.....5

Consolidated Interest Expense.....5

Consolidated Net Income.....6

Corporate Trust Office.....6

corporation.....6

covenant defeasance.....6

Credit Facilities.....6

Currency Agreement.....6

Default6

Defaulted Interest.....7

defeasance.....7

Depositary.....7

Eligible Accounts Receivable.....7

Eligible Institution.....7

Event of Default.....7

Excess Proceeds.....7

Excess Proceeds Offer.....7

Excess Proceeds Payment.....7

Excess Proceeds Payment Date.....7

Exchange Act.....7

Exchange Notes.....7

Exchange Offer.....7

Exchange Offer Registration Statement.....8

Existing Indebtedness.....8

Fair Market Value.....8

Federal Bankruptcy Code.....8

GAAP8

Global Notes.....8

Government Securities.....8

Guarantee.....8

Holder8

Incur8

Indebtedness.....9

Indenture.....9

Initial Notes.....9

Initial Purchasers.....9

Interest Payment Date.....9

Interest Rate Agreement.....9

Investment.....10

Lien10

Liquidated Damages.....10

Marketable Securities.....10

Maturity.....	11
Net Cash Proceeds.....	11
Non-Registration Opinion and Supporting Evidence.....	11
Note Register" and "Note Registrar.....	11
Notes	12
Officer's Certificate.....	12
Offshore Global Notes.....	12
Offshore Notes Exchange Date.....	12
Offshore Physical Notes.....	12
Opinion of Counsel.....	12
Original Notes.....	12
Outstanding.....	12
Paying Agent.....	13
Payment Account.....	13
Permitted Investment.....	13
Permitted Liens.....	14
Person	15
Physical Notes.....	15
Predecessor Note.....	15
Preferred Stock.....	15
Private Placement Legend.....	15
Pro Forma Consolidated Cash Flow.....	15
Proportionate Share.....	16
Public Equity Offering.....	16
Purchase Money Obligations.....	16
Qualified Capital Stock.....	16
Redeemable Stock.....	16
Redemption Date.....	16
Redemption Price.....	16
Registration Rights Agreement.....	16
Registration Statement.....	17
Regular Record Date.....	17
Regulation S.....	17
Resale Restriction Termination Date.....	17
Responsible Officer.....	17
Restricted Payments.....	17
Restricted Subsidiary.....	17
Rule 144A.....	17
Securities Act.....	17
Shelf Registration Statement.....	17
Significant Subsidiary.....	17
Special Record Date.....	18
Stated Maturity.....	18
Strategic Subordinated Indebtedness.....	18
Subordinated Indebtedness.....	18
Subsidiary.....	18
Trade Payables.....	18
Transaction Date.....	18
Trust Indenture Act.....	19
TIA	19
Trustee	19
Unrestricted Subsidiary.....	19
Unrestricted Subsidiary Indebtedness.....	19
U.S. Global Note.....	19
U.S. Government Obligations.....	19
U.S. Physical Notes.....	19
U.S. Subsidiary.....	20
Vice President.....	20
Voting Stock.....	20
Wholly Owned.....	20
SECTION 102. Incorporation by Reference of Trust Indenture Act.....	20
SECTION 103. Compliance Certificates and Opinions.....	20
SECTION 104. Form of Documents Delivered to Trustee.....	21
SECTION 105. Acts of Holders.....	22
SECTION 106. Notices, Etc. to Trustee, Company.....	23
SECTION 107. Notice to Holders; Waiver.....	23
SECTION 108. Effect of Headings and Table of Contents.....	24
SECTION 109. Successors and Assigns.....	24
SECTION 110. Separability Clause.....	24
SECTION 111. Benefits of Indenture.....	24
SECTION 112. Governing Law.....	24
SECTION 113. Legal Holidays.....	24
SECTION 114. Currency Indemnity.....	25

ARTICLE TWO

NOTE FORMS

SECTION 201. Forms Generally.....25
SECTION 202. Restrictive Legends.....27

ARTICLE THREE

THE NOTES

SECTION 301. Titles and Terms.....29
SECTION 302. Denominations.....30
SECTION 303. Execution, Authentication, Delivery and Dating.....30
SECTION 304. Temporary Note.....32
SECTION 305. Registration, Registration of Transfer and Exchange.....32
SECTION 306. Book-Entry Provisions for Global Notes.....33
SECTION 307. Transfer Provisions.....34
SECTION 308. Mutilated, Destroyed, Lost and Stolen Notes.....43
SECTION 309. Payment of Interest; Interest Rights Preserved.....43
SECTION 310. Persons Deemed Owners.....45
SECTION 311. Cancellation.....45
SECTION 312. Computation of Interest.....45
SECTION 313. CUSIP Numbers.....45

ARTICLE FOUR

SATISFACTION AND DISCHARGE

SECTION 401. Satisfaction and Discharge of Indenture.....46
SECTION 402. Application of Trust Money.....47

ARTICLE FIVE

REMEDIES

SECTION 501. Events of Default.....47
SECTION 502. Acceleration of Maturity; Rescission and Annulment.....49
SECTION 503. Collection of Indebtedness and Suits for Enforcement
by Trustee.....50
SECTION 504. Trustee May File Proofs of Claim.....51
SECTION 505. Trustee May Enforce Claims Without Possession of Notes.....52
SECTION 506. Application of Money Collected.....52
SECTION 507. Limitation on Suits.....52
SECTION 508. Unconditional Right of Holders to Receive Principal,
Premium and Interest.....53
SECTION 509. Restoration of Rights and Remedies.....53
SECTION 510. Rights and Remedies Cumulative.....53
SECTION 511. Delay or Omission Not Waiver.....54
SECTION 512. Control by Holders.....54
SECTION 513. Waiver of Past Defaults.....54
SECTION 514. Waiver of Stay or Extension Laws.....55

ARTICLE SIX

THE TRUSTEE

SECTION 601. Notice of Defaults.....55
SECTION 602. Certain Rights of Trustee.....55
SECTION 603. Trustee Not Responsible for Recitals or Issuance of Notes.....57
SECTION 604. May Hold Notes.....57
SECTION 605. Money Held in Trust.....57
SECTION 606. Compensation and Reimbursement.....57
SECTION 607. Corporate Trustee Required; Eligibility.....58
SECTION 608. Resignation and Removal; Appointment of Successor.....58
SECTION 609. Acceptance of Appointment by Successor.....60
SECTION 610. Merger, Conversion, Consolidation or Succession to Business...60

ARTICLE SEVEN

HOLDERS LISTS AND REPORTS BY TRUSTEE AND COMPANY.....61

SECTION 701.	Disclosure of Names and Addresses of Holders.....	61
SECTION 702.	Reports by Trustee.....	61
SECTION 703.	Reports by Company.....	61

ARTICLE EIGHT

CONSOLIDATION, MERGER, CONVEYANCE, TRANSFER OR LEASE.....	62	
SECTION 801.	Company May Consolidate, Etc., Only on Certain Terms.....	62
SECTION 802.	Successor Substituted.....	63
SECTION 803.	Notes to Be Secured in Certain Events.....	63

ARTICLE NINE

SUPPLEMENTAL INDENTURES

SECTION 901.	Supplemental Indentures Without Consent of Holders.....	64
SECTION 902.	Supplemental Indentures with Consent of Holders.....	64
SECTION 903.	Execution of Supplemental Indentures.....	65
SECTION 904.	Effect of Supplemental Indentures.....	65
SECTION 905.	Conformity with Trust Indenture Act.....	66
SECTION 906.	Reference in Notes to Supplemental Indentures.....	66
SECTION 907.	Notice of Supplemental Indentures.....	66

ARTICLE TEN

COVENANTS

SECTION 1001.	Payment of Principal, Premium, if Any, and Interest.....	66
SECTION 1002.	Maintenance of Office or Agency.....	66
SECTION 1003.	Money for Note Payments to Be Held in Trust.....	67
SECTION 1004.	Corporate Existence.....	68
SECTION 1005.	Payment of Taxes and Other Claims.....	68
SECTION 1006.	Maintenance of Properties.....	69
SECTION 1007.	Insurance.....	69
SECTION 1008.	Statement by Officers As to Default.....	69
SECTION 1009.	Provision of Financial Statements.....	70
SECTION 1010.	Repurchase of Notes upon a Change of Control.....	70
SECTION 1011.	Limitation on Indebtedness.....	72
SECTION 1012.	Limitation on Restricted Payments.....	75
SECTION 1013.	Limitation on Dividend and Other Payment Restrictions Affecting Restricted Subsidiaries.....	77
SECTION 1014.	Limitation on the Issuance and Sale of Capital Stock of Restricted Subsidiaries.....	79
SECTION 1015.	Limitation on Transactions with Shareholders and Affiliates.....	79
SECTION 1016.	Limitation on Liens.....	80
SECTION 1017.	Limitation on Asset Sales.....	80
SECTION 1018.	Limitation on Issuances of Guarantees of Indebtedness by Restricted Subsidiaries.....	82
SECTION 1019.	Business of the Company.....	83
SECTION 1020.	Limitation on Investments in Unrestricted Subsidiaries.....	83
SECTION 1021.	Termination of TresCom Facility.....	83
SECTION 1022.	Waiver of Certain Covenants.....	83

ARTICLE ELEVEN

REDEMPTION OF NOTES

SECTION 1101.	Right of Redemption.....	84
SECTION 1102.	Applicability of Article.....	84
SECTION 1103.	Election to Redeem Notice to Trustee.....	84
SECTION 1104.	Selection by Trustee of Notes to Be Redeemed.....	85
SECTION 1105.	Notice of Redemption.....	85
SECTION 1106.	Deposit of Redemption Price.....	86
SECTION 1107.	Notes Payable on Redemption Date.....	86
SECTION 1108.	Notes Redeemed in Part.....	86

ARTICLE TWELVE

[This Article Has Been Intentionally Omitted]

ARTICLE THIRTEEN

DEFEASANCE AND COVENANT DEFEASANCE

SECTION 1301.	Company's Option to Effect Defeasance or Covenant Defeasance.....	87
SECTION 1302.	Defeasance and Discharge.....	87
SECTION 1303.	Covenant Defeasance.....	88
SECTION 1304.	Conditions to Defeasance or Covenant Defeasance.....	88
SECTION 1305.	Deposited Money and U.S. Government Obligations to Be Held in Trust; Other Miscellaneous Provisions....	90
SECTION 1306.	Reinstatement.....	90

Page

TESTIMONIUM

SIGNATURE AND SEALS

- EXHIBIT A..... Form of Note
- EXHIBIT B..... Form of Certificate to be Delivered upon
Termination of Restricted Period
- EXHIBIT C Form of Certificate to be Delivered in Connection
with Transfers to Non-QIB Institutional
Accredited Investors
- EXHIBIT D Form of Certificate to be Delivered in Connection
with Transfers Pursuant to Regulation S
- EXHIBIT E..... Rule 144A Certificate

INDENTURE, dated as of January 29, 1999, between PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED, a corporation duly organized and existing under the laws of the State of Delaware (herein called the "Company"), having its principal office at 1700 Old Meadow Road, McLean, Virginia 22102, and FIRST UNION NATIONAL BANK, a national banking association, duly organized and existing under the laws of the United States, as Trustee (the "Trustee").

RECITALS OF THE COMPANY

The Company has duly authorized the creation of an issue of 11-1/4% Senior Notes Due 2009 (the "Initial Notes") and 11-1/4% Series B Senior Notes Due 2009 (the "Exchange Notes" and, together with the Initial Notes, the "Notes"), of substantially the tenor and amount hereinafter set forth, and to provide therefor the Company has duly authorized the execution and delivery of this Indenture. Except as otherwise provided for herein, the Notes shall be limited to \$275,000,000 in aggregate principal amount outstanding, of which \$200,000,000 in aggregate principal amount of Initial Notes will be issued on the date hereof (the "Original Notes"). Subject to the conditions set forth herein, the Company may issue up to \$75,000,000 aggregate principal amount of additional Notes subsequent to the Closing Date (as defined herein).

Upon the issuance of the Exchange Notes, if any, or the effectiveness of the Shelf Registration Statement (as defined herein), this Indenture will be subject to the provisions of the Trust Indenture Act of 1939, as amended, that are required to be part of this Indenture and shall, to the extent applicable, be governed by such provisions. All things necessary have been done to make the Notes, when executed by the Company and authenticated and delivered hereunder and duly issued by the Company, the valid obligations of the Company and to make this Indenture a valid agreement of the Company, in accordance with their and its terms.

NOW, THEREFORE, THIS INDENTURE WITNESSETH:

For and in consideration of the premises and the purchase of the Notes by the Holders thereof, it is mutually covenanted and agreed, for the equal and proportionate benefit of all Holders of the Notes, as follows:

ARTICLE ONE

DEFINITIONS AND OTHER PROVISIONS OF GENERAL APPLICATION

SECTION 101. Definitions.

For all purposes of this indenture, except as otherwise expressly provided or unless the context otherwise requires:

(a) the terms defined in this Article have the meaning assigned to them in this Article, and include the plural as well as the singular;

(b) all other terms used herein which are defined in the Trust Indenture Act, either directly or by reference therein, have the meanings assigned to them therein, and the terms "cash transaction" and "self-liquidating paper", as used in TIA Section 311, shall have the meanings assigned to them in the rules of the Commission adopted under the Trust Indenture Act;

(c) all accounting terms not otherwise defined herein have the meanings assigned to them in accordance with generally accepted accounting principles, and

2

(d) the words "herein," "hereof" and "hereunder" and other words of similar import refer to this Indenture as a whole and not to any particular Article, Section or other subdivision.

"Acquired Indebtedness" means Indebtedness of a Person existing at the time such Person becomes a Restricted Subsidiary or assumed in connection with an Asset Acquisition by the Company or a Restricted Subsidiary and not incurred in connection with, or in anticipation of, such Person becoming a Restricted Subsidiary or such Asset Acquisition; provided that Indebtedness of such Person which is redeemed, defeased, retired or otherwise repaid at the time of or immediately upon the consummation of the transactions by which such Person becomes a Restricted Subsidiary or such Asset Acquisition shall not be Indebtedness.

"Act", when used with respect to any Holder, has the meaning specified in Section 105.

"Additional Notes" means up to \$75,000,000 aggregate principal amount of Notes issued subsequent to the Closing Date (other than Exchange Notes issued in exchange for Initial Notes) in accordance with the terms of this Indenture, including Section 301, Section 303 and Section 1011.

"Affiliate" means, as applied to any Person, any other Person directly or indirectly controlling, controlled by, or under direct or indirect common control with, such Person. For purposes of this definition, "control" (including, with correlative meanings, the terms "controlling", "controlled by" and "under common control with"), as applied to any Person, means the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of such Person, whether through the ownership of voting securities, by contract or otherwise. For purposes of the Indenture, "Affiliate" shall be deemed to include Mr. K. Paul Singh.

"Agent Member" has the meaning specified in Section 306.

"Asset Acquisition" means (1) an investment by the Company or any of its Restricted Subsidiaries in any other Person pursuant to which such Person shall become a Restricted Subsidiary of the Company or shall be merged into or consolidated with the Company or any of its Restricted Subsidiaries or (ii) an acquisition by the Company or any of its Restricted Subsidiaries of the property and assets of any Person other than the Company or any of its Restricted Subsidiaries that constitute substantially all of a division or line of business of such Person.

"Asset Disposition" means the sale or other disposition by the Company or any of its Restricted Subsidiaries (other than to the Company or another Restricted Subsidiary of the Company) of (i) all or substantially all of the Capital Stock of any Restricted Subsidiary of the Company or (ii) all or substantially all of the assets that constitute a division or line of business of the Company or any of its Restricted Subsidiaries.

"Asset Sale" means any sale, transfer or other disposition (including by way of merger, consolidation or sale-leaseback transactions) in one transaction or a series of related transactions by the Company or any of its Restricted Subsidiaries to any Person other than the Company or any of its Restricted Subsidiaries of (i) all or any of the Capital Stock of any Subsidiary, (ii) all or substantially all of the property and assets of an operating unit or business of the Company or any of its Restricted Subsidiaries or (iii) any other property and assets of the Company or any of its Restricted

Subsidiaries outside the ordinary course of business of the Company or such Restricted Subsidiary and, in each case, that is not governed by the provisions of this Indenture applicable to mergers, consolidations and sales of assets of the Company and which, in the case of any of clause (i), (ii) or (iii) above, whether in one transaction or a series of related transactions, (a) have a Fair Market Value in excess of \$1.0 million or (b) are for net proceeds in excess of \$1.0 million; provided that (x) sales or other dispositions of inventory, receivables and other current assets in the ordinary course of business and (y) sales or other dispositions of assets for consideration at least equal to the Fair Market Value (as determined in good faith by the Board of Directors, whose determination shall be conclusive and evidenced by a Board Resolution) of the assets sold or disposed of, to the extent that the consideration received would constitute property or assets of the kind described in clause (i)(B) of the second paragraph of Section 1017, shall not be included within the meaning of "Asset Sale."

3

"Average Life" means, at any date of determination with respect to any debt security, the quotient obtained by dividing (i) the sum of the products of (a) the number of years from such date of determination to the dates of each successive scheduled principal payment of such debt security and (b) the amount of such principal payment by (ii) the sum of all such principal payments.

"Board of Directors" means either the board of directors of the Company or any duly authorized committee of that board.

"Board Resolution" means a copy of a resolution certified by the Secretary or an Assistant Secretary of the Company to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification, and delivered to the Trustee.

"Business Day" means each Monday, Tuesday, Wednesday, Thursday and Friday which is not a day on which banking institutions in The City of New York or Richmond, Virginia are authorized or obligated by law or executive order to close.

"Capital Stock" means, with respect to any Person, any and all shares, interests, participations or other equivalents (however designated, whether voting or non-voting) in equity of such Person, whether now outstanding or issued after the date of this Indenture, including, without limitation, all Common Stock and Preferred Stock.

"Capitalized Lease" means, as applied to any Person, any lease of any property (whether real, personal or mixed) of which the discounted present value of the rental obligations of such Person as lessee, in conformity with GAAP, is required to be capitalized on the balance sheet of such Person; and "Capitalized Lease Obligation" means the discounted present value of the rental obligations under such lease.

"Change of Control" means such time as (i) a "person" or "group" (within the meaning of Sections 13(d) and 14(d)(2) of the Exchange Act) becomes the ultimate "beneficial owner" (as defined in Rule 13d-3 under the Exchange Act) of more than 50% of the total voting power of the then outstanding Voting Stock of the Company on a fully diluted basis; (ii) individuals who at the beginning of any period of two consecutive calendar years constituted the Board of Directors (together with any directors who are members of the Board of Directors on the date hereof and any new directors whose election by the Board of Directors or whose nomination for election by the Company's stockholders was approved by a vote of at least two-thirds of the members of the Board of Directors then still in office who either were members of the Board of Directors at the beginning of such period or whose election or nomination for election was previously so approved) cease for any reason to constitute a majority of the members of such board of directors then in office; (iii) the sale, lease, transfer, conveyance or other disposition (other than by way of merger or consolidation), in one or a series of related transactions, of all or substantially all of the assets of the Company and its Subsidiaries taken as a whole to any such "person" or "group" (other than to the Company or a Restricted Subsidiary); (iv) the merger or consolidation of the Company with or into another corporation or the merger of another corporation with or into the Company with the effect that immediately after such transaction any such "person" or "group" of persons or entities shall have become the beneficial owner of securities of the surviving corporation of such merger or consolidation

representing a majority of the total voting power of the then outstanding Voting Stock of the surviving corporation; or (v) the adoption of a plan relating to the liquidation or dissolution of the Company.

"Change of Control Offer" has the meaning specified in Section 1010.

"Change of Control Payment" has the meaning specified in Section 1010.

"Change of Control Payment Date" has the meaning specified in Section 1010.

4

"Closing Date" means January 29, 1999.

"Commission" means the Securities and Exchange Commission, as from time to time constituted, created under the Securities Exchange Act of 1934, or, if at any time after the execution of this Indenture such Commission is not existing and performing the duties now assigned to it under the Trust Indenture Act, then the body performing such duties at such time.

"Common Stock" means, with respect to any Person, any and all shares, interests, participations or other equivalents (however designated, whether voting or non-voting) of such Person's common stock, whether now outstanding or issued after the date of this Indenture, including, without limitation, all series and classes of such common stock.

"Company" means the Person named as the "Company" in the first paragraph of this Indenture, until a successor Person shall have become such pursuant to the applicable provisions of this Indenture, and thereafter "Company" shall mean such successor Person.

"Company Request" or "Company Order" means a written request or order signed in the name of the Company by its Chairman, its President, any Vice President, its Treasurer or an Assistant Treasurer, and delivered to the Trustee.

"Consolidated Cash Flow" means, for any period, the sum of the amounts for such period of (i) Consolidated Net Income, (ii) Consolidated Interest Expense, (iii) income taxes, to the extent such amount was deducted in calculating Consolidated Net Income (other than income taxes (either positive or negative) attributable to extraordinary and non-recurring gains or losses or sales of assets), (iv) depreciation expense, to the extent such amount was deducted in calculating Consolidated Net Income, (v) amortization expense, to the extent such amount was deducted in calculating Consolidated Net Income, and (vi) all other non-cash items reducing Consolidated Net Income (excluding any non-cash charge to the extent that it represents an accrual of or reserve for cash charges in any future period), less all non-cash items increasing Consolidated Net Income, all as determined on a consolidated basis for the Company and its Restricted Subsidiaries in conformity with GAAP.

"Consolidated Fixed Charges" means, for any period, Consolidated Interest Expense plus dividends declared and payable on Preferred Stock.

"Consolidated Interest Expense" means, for any period, the aggregate amount of interest in respect of Indebtedness (including capitalized interest, amortization of original issue discount on any Indebtedness and the interest portion of any deferred payment obligation, calculated in accordance with the effective interest method of accounting; all commissions, discounts and other fees and charges owed with respect to letters of credit and bankers' acceptance financing; the net costs associated with Interest Rate Agreements; and interest on Indebtedness that is Guaranteed or secured by the Company or any of its Restricted Subsidiaries) and all but the principal component of rentals in respect of Capitalized Lease Obligations paid, accrued or scheduled to be paid or to be accrued by the Company and its Restricted Subsidiaries during such period.

"Consolidated Net Income" means, for any period, the aggregate consolidated net income (or loss) of the Company and its Restricted Subsidiaries for such period determined in conformity with GAAP; provided that the following items shall be excluded in computing Consolidated Net Income (without duplication): (i) solely for the purposes of calculating the amount of

Restricted Payments that may be made pursuant to clause (C) of the first paragraph of Section 1012, the net income (or loss) of any Person accrued prior to the date it becomes a Restricted Subsidiary or is merged into or consolidated with the Company or any of its Restricted Subsidiaries or all or substantially all of the property and assets of such Person are acquired by the Company or any of its Restricted Subsidiaries; (ii) any gains or losses (on an after-tax basis) attributable to Asset Sales; (iii) except for purposes of calculating the amount of Restricted Payments that may be made pursuant to clause (C) of the first paragraph of Section 1012, any amount paid or accrued as dividends on Preferred Stock of the Company or Preferred Stock of any Restricted

5

Subsidiary owned by Persons other than the Company and any of its Restricted Subsidiaries; (iv) all extraordinary gains and extraordinary losses; and (v) the net income (or loss) of any Person (other than net income (or loss) attributable to a Restricted Subsidiary) in which any Person (other than the Company or any of its Restricted Subsidiaries) has a joint interest, except to the extent of the amount of dividends or other distributions actually paid to the Company or any of its Restricted Subsidiaries by such other Person during such period.

"Corporate Trust Office" means the principal corporate trust office of the Trustee, at which at any particular time its corporate trust business shall be administered, which office at the date of execution of this Indenture is located at 800 East Main Street, Richmond, Virginia 23219, Attention: Corporate Trust, except that with respect to presentation of Notes for payment or for registration of transfer or exchange, such term shall mean the office or agency of the Trustee at which, at any particular time, its corporate agency business shall be conducted.

"corporation" includes corporations, associations, companies and business trusts.

"covenant defeasance" has the meaning specified in Section 1303.

"Credit Facilities" means, with respect to the Company, one or more debt facilities or commercial paper facilities with banks or other institutional lenders providing for revolving credit loans, term loans, receivables financing (including through the sale of receivables to such lenders or to special purpose entities formed to borrow from such lenders against such receivables) or letters of credit, in each case, as amended, restated, modified, renewed, refunded, replaced or refinanced in whole or in part from time to time.

"Currency Agreement" means any foreign exchange contract, currency swap agreement and any other arrangement and agreement designed to provide protection against fluctuations in currency values.

"Default" means any event that is, or after notice or passage of time or both would be, an Event of Default.

"Defaulted Interest" has the meaning specified in Section 309.

"defeasance" has the meaning specified in Section 1302.

"Depositary" means The Depositary Trust Company, its nominees and their respective successors.

"Eligible Accounts Receivable" means the accounts receivables (net of any reserves and allowances for doubtful accounts in accordance with GAAP) of any Person that are not more than 60 days past their due date and that were entered into in the ordinary course of business on normal payment terms as shown on the most recent consolidated balance sheet of such Person filed with the Commission, all in accordance with GAAP.

"Eligible Institution" means a commercial banking institution that has combined capital and surplus of not less than \$500 million or its equivalent in foreign currency, whose debt is rated "A-3" or higher or "A-" or higher according to Moody's Investors Service, Inc. or Standard & Poor's Ratings Group (or such similar equivalent rating by at least one "nationally recognized statistical rating organization" (as defined in Rule 436 under the Securities Act)) respectively, at the time as of which any investment or rollover therein is made.

"Employment Agreement" means the employment agreement between the Company and Mr. K. Paul Singh, dated June 1994.

"Event of Default" has the meaning specified in Section 501.

"Excess Proceeds" has the meaning specified in Section 1017.

6

"Excess Proceeds Offer" has the meaning specified in Section 1017.

"Excess Proceeds Payment" has the meaning specified in Section 1017.

"Excess Proceeds Payment Date" has the meaning specified in Section 1017.

"Exchange Act" means the Securities Exchange Act of 1934, as amended.

"Exchange Notes" has the meaning stated in the first recital of this Indenture and refers to any Exchange Notes containing terms substantially identical to the Initial Notes (except that such Exchange Notes shall be registered under the Securities Act and will not contain (i) transfer restrictions or (ii) certain provisions relating to the increase in the interest rate of such Exchange Notes) that are issued and exchanged for Initial Notes pursuant to the Registration Rights Agreement and this Indenture.

"Exchange Offer" means the offer by the Company to the Holders of Initial Notes to exchange Initial Notes for Exchange Notes, as provided in the Registration Rights Agreement.

"Exchange Offer Registration Statement" means the Exchange Offer Registration Statement as defined in the Registration Rights Agreement.

"Existing Indebtedness" means Indebtedness outstanding on the date of the Indenture.

"Fair Market Value" means, with respect to any asset or property, the sale value that would be obtained in an arm's length transaction between an informed and willing seller under no compulsion to sell and an informed and willing buyer.

"Federal Bankruptcy Code" means the Bankruptcy Act of Title 11 of the United States Code, as amended from time to time.

"GAAP" means generally accepted accounting principles in the United States of America as in effect from time to time, including, without limitation, those set forth in the opinions and pronouncements of the Accounting Principles Board of the American Institute of Certified Public Accountants and statements and pronouncements of the Financial Accounting Standards Board or in such other statements by such other entity as approved by a significant segment of the accounting profession.

"Global Notes" has the meaning set forth in Section 201.

"Government Securities" means direct obligations of, or obligations guaranteed by, the United States of America for the payment of which obligations or guarantee the full faith and credit of the United States is pledged.

"Guarantee" means any obligation, contingent or otherwise, of any Person directly or indirectly guaranteeing any Indebtedness or other obligation of any other Person and, without limiting the generality of the foregoing, any obligation, direct or indirect, contingent or otherwise, of such Person (i) to purchase or pay (or advance or supply funds for the purchase or payment of) such Indebtedness or other obligation of such other Person (whether arising by virtue of partnership arrangements, or by agreements to keep-well, to purchase assets, goods, securities or services, to take-or-pay, or to maintain financial statement conditions or otherwise) or (ii) entered into for purposes of assuring in any other manner the obligee of such Indebtedness or other obligation of the payment thereof or to protect such obligee against loss in respect thereof (in whole or in part); provided that the term "Guarantee" shall not include

endorsements for collection or deposit in the ordinary course of business. The term "Guarantee" used as a verb has a corresponding meaning.

"Holder" means a Person in whose name a Note is registered in the Note Register.

"Incur" means, with respect to any Indebtedness, to incur, create, issue, assume, Guarantee or otherwise become liable for or with respect to, or become responsible for, the payment of, contingently or otherwise, such Indebtedness, including an Incurrence of Indebtedness by reason of the acquisition of more than 50% of the Capital Stock of any Person; provided that neither the accrual of interest nor the accretion of original issue discount shall be considered an Incurrence of Indebtedness.

"Indebtedness" means, with respect to any Person at any date of determination (without duplication), (i) all indebtedness of such Person for borrowed money, (ii) all obligations of such Person evidenced by bonds, debentures, notes or other similar instruments, (iii) all obligations of such Person in respect of letters of credit or other similar instruments (including reimbursement obligations with respect thereto), (iv) all obligations of such Person to pay the deferred and unpaid purchase price of property or services, which purchase price is due more than six months after the date of placing such property in service or taking delivery and title thereto or the completion of such services, except Trade Payables, (v) all obligations of such Person as lessee under Capitalized Leases, (vi) all Indebtedness of other Persons secured by a Lien on any asset of such Person, whether or not such Indebtedness is assumed by such Person; provided that the amount of such Indebtedness shall be the lesser of (A) the Fair Market Value of such asset at such date of determination and (B) the amount of such Indebtedness, (vii) all Indebtedness of other Persons Guaranteed by such Person to the extent such Indebtedness is Guaranteed by such Person, (viii) the maximum fixed redemption or repurchase price of Redeemable Stock of such Person at the time of determination and (ix) to the extent not otherwise included in this definition, obligations under Currency Agreements and Interest Rate Agreements. The amount of Indebtedness of any Person at any date shall be the outstanding balance at such date of all unconditional obligations as described above and, with respect to contingent obligations, the maximum liability upon the occurrence of the contingency giving rise to the obligation, provided (i) that the amount outstanding at any time of any Indebtedness issued with original issue discount is the face amount of such Indebtedness less the remaining unamortized portion of the original issue discount of such Indebtedness at such time as determined in conformity with GAAP and (ii) that Indebtedness shall not include any liability for federal, state, local or other taxes.

"Indenture" means this instrument as originally executed and as it may from time to time be supplemented or amended by one or more indentures supplemental hereto entered into pursuant to the applicable provisions hereof.

"Initial Notes" has the meaning stated in the first recital of this Indenture.

"Initial Purchasers" means Lehman Brothers Inc., Merrill Lynch, Pierce, Fenner & Smith Incorporated and Morgan Stanley & Co. Incorporated.

"Interest Payment Date" means the Stated Maturity of an installment of interest on the Notes.

"Interest Rate Agreement" means interest rate swap agreements, interest rate cap agreements, interest rate insurance, and other arrangements and agreements designed to provide protection against fluctuations in interest rates.

"Investment" in any Person means any direct or indirect advance, loan or other extension of credit (including, without limitation, by way of Guarantee or similar arrangement; but excluding advances to customers in the ordinary course of business that are, in conformity with GAAP, recorded as accounts receivable on the balance sheet of the Company or its Restricted Subsidiaries) or capital contribution to (by means of any transfer of cash or other property to others or any payment for property or services for the account or use of others), or any purchase or acquisition of Capital Stock, bonds, notes, debentures or other similar instruments issued by, such Person. For purposes

of the definition of "Unrestricted Subsidiary" and Sections 1012 and 1014, (i) "Investment" shall include (a) the Fair Market Value of the assets (net of liabilities) of any Restricted Subsidiary of the Company at the time that such Restricted Subsidiary of the Company is designated an Unrestricted Subsidiary and shall exclude the Fair Market Value of the assets (net of liabilities) of any Unrestricted Subsidiary at the time that such Unrestricted Subsidiary is designated a Restricted Subsidiary of the Company and (b) the Fair Market Value, in the case of a sale of Capital Stock in accordance with Section 1014 such that a Person no longer constitutes a Restricted Subsidiary, of the remaining assets (net of liabilities) of such Person after such sale, and shall exclude the Fair Market Value of the assets (net of liabilities) of any Unrestricted Subsidiary at the time that such Unrestricted Subsidiary is designated a Restricted Subsidiary of the Company and (ii) any property transferred to or from an Unrestricted Subsidiary shall be valued at its Fair Market Value at the time of such transfer, in each case as determined by the Board of Directors in good faith. The amount of any Investment "outstanding" at any time shall be deemed to be equal to the amount of such Investment on the date made, less return of capital, repayment of loans, and release of Guarantees, in each case of or to the Company and its Restricted Subsidiaries with respect to such Investment (up to the amount of such Investment on the date made).

"Issuance Date" means, with respect to any Initial Notes, the date on which such Initial Notes are originally issued, which in the case of the Original Notes shall be the Closing Date and which in the case of any Additional Notes shall occur after the Closing Date.

"Lien" means any mortgage, pledge, security interest, encumbrance, lien or charge of any kind (including, without limitation, any conditional sale or other title retention agreement or lease in the nature thereof, any sale with recourse against the seller or any Affiliate of the seller, or any agreement to give any security interest).

"Liquidated Damages" means all liquidated damages then owing pursuant to Section 5 of the Registration Rights Agreement.

"Marketable Securities" means: (i) Government Securities which have a remaining weighted average life to maturity of not more than one year from the date of Investment therein; (ii) any time deposit account, money market deposit and certificate of deposit maturing not more than 180 days after the date of acquisition issued by, or time deposit of, an Eligible Institution; (iii) commercial paper maturing not more than 90 days after the date of acquisition issued by a corporation (other than an Affiliate of the Company) with a rating, at the time as of which any investment therein is made, of "P-1" or higher according to Moody's Investors Service, Inc., or "A-1" or higher according to Standard & Poor's Rating Group (or such similar equivalent rating by at least one "nationally recognized statistical rating organization" (as defined in Rule 436 under the Securities Act)); (iv) any banker's acceptance or money market deposit accounts issued or offered by an Eligible Institution; (v) repurchase obligations with a term of not more than seven days for Government Securities entered into with an Eligible Institution; and (vi) any fund 95% of the assets of which consist of investments of the types described in clauses (i) through (v) above.

"Maturity", when used with respect to any Notes, means the date on which the principal of such Notes or an installment of principal becomes due and payable as therein or herein provided, whether at the Stated Maturity or by declaration of acceleration, notice of redemption or otherwise.

"Net Cash Proceeds" means, (a) with respect to any Asset Sale, the proceeds of such Asset Sale in the form of cash or cash equivalents, including payments in respect of deferred payment obligations (to the extent corresponding to the principal, but not interest, component thereof) when received in the form of cash or cash equivalents (except to the extent such obligations are financed or sold with recourse to the Company or any Restricted Subsidiary of the Company) and proceeds from the conversion of other property received when converted to cash or cash equivalents, net of (i) brokerage commissions and other fees and expenses (including fees and expenses of counsel and investment bankers) related to such Asset Sale, (ii) provisions for all taxes (whether or not such taxes will actually be paid or are payable) as a result of such Asset Sale without regard to the consolidated results of operations of the Company and its Restricted Subsidiaries, taken as a whole, (iii) payments made to repay

Indebtedness or any other obligation outstanding at the time of such Asset Sale that either (A) is secured by a Lien on the property or assets sold

9

or (B) is required to be paid as a result of such sale and (iv) appropriate amounts to be provided by the Company or any Restricted Subsidiary of the Company as a reserve against any liabilities associated with such Asset Sale, including, without limitation, pension and other post-employment benefit liabilities, liabilities related to environmental matters and liabilities under any indemnification obligations associated with such Asset Sale, all as determined in conformity with GAAP and (b) with respect to any issuance or sale of Capital Stock, the proceeds of such issuance or sale in the form of cash or cash equivalents, including payments in respect of deferred payment obligations (to the extent corresponding to the principal, but not interest, component thereof) when received in the form of cash or cash equivalents (except to the extent such obligations are financed or sold with recourse to the Company or any Restricted Subsidiary of the Company) and proceeds from the conversion of other property received when converted to cash or cash equivalents, net of attorney's fees, accountants' fees, underwriters' or placement agents' fees, discounts or commissions and brokerage, consultant and other fees incurred in connection with such issuance or sale and net of taxes paid or payable as a result thereof.

"Non-Registration Opinion and Supporting Evidence" has the meaning specified in Section 307.

"Note Register" and "Note Registrar" have the respective meanings specified in Section 305.

"Notes" has the meaning stated in the first recital of this Indenture and more particularly means any Notes authenticated and delivered under this Indenture, including Additional Notes. For all purposes of this Indenture, the term "Notes" shall include any Exchange Notes to be issued and exchanged for any Initial Notes pursuant to the Registration Rights Agreement and this Indenture and, for purposes of this Indenture, (A) all Initial Notes and Exchange Notes (including, to the extent provided in clause (B), Additional Notes) shall vote together as one series of Notes under this Indenture and (B) all Additional Notes that are of the same series as the other Notes and bear the same CUSIP numbers as the other Notes shall vote together with such other Notes as one series of Notes under this Indenture.

"Officer's Certificate" means a certificate signed by the Chairman, the President, a Vice President, the Treasurer, an Assistant Treasurer, the Secretary or an Assistant Secretary of the Company, and delivered to the Trustee.

"Offshore Global Notes" has the meaning set forth in Section 201.

"Offshore Notes Exchange Date" has the meaning set forth in Section 202.

"Offshore Physical Notes" has the meaning set forth in Section 201.

"Opinion of Counsel" means a written opinion of counsel, who may be counsel for the Company, including an employee of the Company, and who shall be acceptable to the Trustee.

"Original Notes" has the meaning stated in the first recital of the Indenture.

"Outstanding", when used with respect to Notes, means, as of the date of determination, all Notes theretofore authenticated and delivered under this Indenture, except:

(i) Notes theretofore cancelled by the Trustee or delivered to the Trustee for cancellation;

(ii) Notes, or portions thereof, for whose payment or redemption money in the necessary amount has been theretofore deposited with the Trustee or any Paying Agent (other than the Company) in trust or set aside and segregated in trust by the Company (if the Company shall act as its own Paying Agent) for the Holders of such Notes; provided that, if such Notes are to be redeemed, notice of such redemption has been duly given pursuant

to this Indenture or provision therefor satisfactory to the Trustee has been made;

10

(iii) Notes, except to the extent provided in Sections 1302 and 1303, with respect to which the Company has effected defeasance and/or covenant defeasance as provided in Article Thirteen; and

(iv) Notes which have been paid pursuant to Section 308 or in exchange for or in lieu of which other Notes have been authenticated and delivered pursuant to the Indenture, other than any such Notes in respect of which there shall have been presented to the Trustee proof satisfactory to it that such Notes are held by a bona fide purchaser in whose hands the Notes are valid obligations of the Company whose determination shall be conclusive and evidenced by a Board Resolution.

provided, however, that in determining whether the Holders of the requisite principal amount of Outstanding Notes have given any request, demand, authorization, direction, consent, notice or waiver hereunder, and for the purpose of making the calculations required by TIA Section 313, Notes owned by the Company or any other obligor upon the Notes or any Affiliate of the Company or such other obligor shall be disregarded and deemed not to be Outstanding, except that, in determining whether the Trustee shall be protected in making such calculation or in relying upon any such request, demand, authorization, direction, notice, consent or waiver, only Notes which the Trustee actually knows to be so owned shall be so disregarded. Notes so owned which have been pledged in good faith may be regarded as Outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee's right so to act with respect to such Notes and that the pledgee is not the Company or any other obligor upon the Notes or any Affiliate of the Company or such other obligor.

"Paying Agent" means any Person (including the Company acting as Paying Agent) authorized by the Company to pay the principal of (and premium, if any) or interest on any Notes on behalf of the Company.

"Payment Account" has the meaning set forth in Section 402.

"Permitted Business" means the business of (i) transmitting, or providing services relating to the transmission of, voice, video or data through owned or leased transmission facilities, (ii) constructing, creating, developing or marketing communications related network equipment, software and other devices for use in a telecommunications business or (iii) evaluating, participating or pursuing any other activity or opportunity that is primarily related to those identified in clause (i) or (ii) above; provided that the determination of what constitutes a Permitted Business shall be made in good faith by the Board of Directors of the Company whose determination shall be conclusive and evidenced by a Board Resolution.

"Permitted Investment" means (i) an Investment in a Restricted Subsidiary or a Person which will, upon the making of such Investment, become a Restricted Subsidiary or be merged or consolidated with or into or transfer or convey all or substantially all its assets to, the Company or a Restricted Subsidiary; (ii) any Investment in Marketable Securities; (iii) payroll, travel and similar advances to cover matters that are expected at the time of such advances ultimately to be treated as expenses in accordance with GAAP; (iv) loans or advances to employees made in the ordinary course of business in accordance with past practice of the Company or its Restricted Subsidiaries and that do not in the aggregate exceed \$1.0 million at any time outstanding; (v) stock, obligations or securities received in satisfaction of judgments; (vi) Investments in any Person received as consideration for Asset Sales to the extent permitted under Section 1017; and (vii) Investments in any Person at any one time outstanding (measured on the date each such Investment was made without giving effect to subsequent changes in value) in an aggregate amount not to exceed 10.0% of the Company's total consolidated assets.

"Permitted Liens" means (i) Liens for taxes, assessments, governmental charges or claims that are being contested in good faith by appropriate legal proceedings promptly instituted and diligently conducted and for which a reserve or other appropriate provision, if any, as shall be required in conformity with GAAP shall have been made; (ii) statutory Liens of landlords and carriers, warehousemen, mechanics, suppliers, materialmen, repairmen or other similar Liens arising in the ordinary course of business and with respect

to amounts not yet delinquent or being contested in good faith by appropriate legal proceedings promptly instituted and diligently conducted and for which a

11

reserve or other appropriate provision, if any, as shall be required in conformity with GAAP shall have been made; (iii) Liens incurred or deposits made in the ordinary course of business in connection with workers' compensation, unemployment insurance and other types of social security; (iv) Liens incurred or deposits made to secure the performance of tenders, bids, leases, statutory or regulatory obligations, bankers' acceptances, surety and appeal bonds, government contracts, performance and return-of-money bonds and other obligations of a similar nature incurred in the ordinary course of business (exclusive of obligations for the payment of borrowed money); (v) easements, rights-of-way, municipal and zoning ordinances and similar charges, encumbrances, title defects or other irregularities that do not materially interfere with the ordinary course of business of the Company or any of its Restricted Subsidiaries; (vi) Liens (including extensions and renewals thereof) upon real or personal property purchased or leased after the Closing Date; provided that (a) such Lien is created solely for the purpose of securing Indebtedness Incurred in compliance with Section 1011 (1) to finance the cost (including the cost of design, development, construction, acquisition, installation or integration) of the item of property or assets subject thereto and such Lien is created prior to, at the time of or within six months after the later of the acquisition, the completion of construction or the commencement of full operation of such property or (2) to refinance any Indebtedness previously so secured, (b) the principal amount of the Indebtedness secured by such Lien does not exceed 100% of such cost and (c) any such Lien shall not extend to or cover any property or assets other than such item of property or assets and any improvements on such item; (vii) leases or subleases granted to others that do not materially interfere with the ordinary course of business of the Company and its Restricted Subsidiaries, taken as a whole; (viii) Liens encumbering property or assets under construction arising from progress or partial payments by a customer of the Company or its Restricted Subsidiaries relating to such property or assets; (ix) any interest or title of a lessor in the property subject to any Capitalized Lease or operating lease; (x) Liens arising from filing Uniform Commercial Code financing statements regarding leases; (xi) Liens on property of, or on shares of stock or Indebtedness of, any corporation existing at the time such corporation becomes, or becomes a part of, any Restricted Subsidiary; provided that such Liens do not extend to or cover any property or assets of the Company or any Restricted Subsidiary other than the property or assets acquired and were not created in contemplation of such transaction; (xii) Liens in favor of the Company or any Restricted Subsidiary; (xiii) Liens arising from the rendering of a final judgment or order against the Company or any Restricted Subsidiary of the Company that does not give rise to an Event of Default; (xiv) Liens securing reimbursement obligations with respect to letters of credit that encumber documents and other property relating to such letters of credit and the products and proceeds thereof; (xv) Liens in favor of customs and revenue authorities arising as a matter of law to secure payment of customs duties in connection with the importation of goods; (xvi) Liens encumbering customary initial deposits and margin deposits and other Liens that are either within the general parameters customary in the industry or incurred in the ordinary course of business, in each case, securing Indebtedness under Interest Rate Agreements and Currency Agreements; (xvii) Liens arising out of conditional sale, title retention, consignment or similar arrangements for the sale of goods entered into by the Company or any of its Restricted Subsidiaries in the ordinary course of business in accordance with the past practices of the Company and its Restricted Subsidiaries prior to the Closing Date; (xviii) Liens existing on the Closing Date or securing the Notes or any Guarantee of the Notes; (xix) Liens granted after the Closing Date on any assets or Capital Stock of the Company or its Restricted Subsidiaries created in favor of the Holders; (xx) Liens securing Indebtedness which is incurred to refinance secured Indebtedness which is permitted to be Incurred under clause (iv) of paragraph (b) of Section 1011; provided that such Liens do not extend to or cover any property or assets of the Company or any Restricted Subsidiary other than the property or assets securing the Indebtedness being refinanced; (xxi) Liens on the property or assets of a Restricted Subsidiary securing Indebtedness of such Subsidiary which Indebtedness is permitted under this Indenture; and (xxii) Liens securing Indebtedness under Credit Facilities incurred in compliance with clauses (i) and (ii) of paragraph (b) of Section 1011.

"Person" means any individual, corporation, partnership, joint venture, association, joint-stock company, trust unincorporated organization or

government or any agency or political subdivision thereof.

"Physical Notes" has the meaning set forth in Section 201.

"Predecessor Note" of any particular Note means every previous Note evidencing all or a portion of the same debt as that evidenced by such particular Note; and, for the purposes of this definition, any Note authenticated

12

and delivered under Section 308 in exchange for a mutilated security or in lieu of a lost, destroyed or stolen Note shall be deemed to evidence the same debt as the mutilated, lost, destroyed or stolen Note.

"Preferred Stock" means, with respect to any Person, any and all shares, interests, participations or other equivalents (however designated, whether voting or non-voting) of such Person's preferred or preference stock, whether now outstanding or issued after the date of the Indenture, including, without limitation, all series and classes of such preferred or preference stock.

"Private Placement Legend" has the meaning specified in Section 202.

"Pro Forma Consolidated Cash Flow" means, for any period, the Consolidated Cash Flow of the Company for such period calculated on a pro forma basis to give effect to any Asset Disposition or Asset Acquisition not in the ordinary course of business (including acquisitions of other Persons by merger, consolidation or purchase of Capital Stock) during such period as if such Asset Disposition or Asset Acquisition had taken place on the first day of such period.

"Proportionate Share" means, as of any date of calculation, an amount equal to (i) the outstanding principal amount of Notes as of such date, divided by (ii) the sum of the outstanding principal amount of Notes as of such date plus the outstanding principal amount as of such date of all other Indebtedness (other than Subordinated Indebtedness) of the Issuer the terms of which obligate the Issuer to make a purchase offer in connection with the relevant Excess Proceeds or the Asset Sale giving rise thereto and the terms of which provide for proration of the amount of such Indebtedness to be purchased with Excess Proceeds.

"Public Equity Offering" means an underwritten primary public offering of Common Stock of the Company pursuant to an effective registration statement under the Securities Act.

"Purchase Money Obligations" means, with respect to each Person, obligations, other than those under Capitalized Leases, Incurred or assumed in the ordinary course of business in connection with the purchase of property to be used in the business of such Person.

"Qualified Institutional Buyers" or "QIB" means a "qualified institutional buyer" as defined in Rule 144A.

"Qualified Capital Stock" of any Person means any and all Capital Stock of such Person other than Redeemable Stock.

"Redeemable Stock" means any class or series of Capital Stock of any Person that by its terms or otherwise is (i) required to be redeemed prior to the Stated Maturity of the Notes, (ii) redeemable at the option of the holder of such class or series of Capital Stock at any time prior to the Stated Maturity of the Notes or (iii) convertible into or exchangeable for Capital Stock referred to in clause (i) or (ii) above or Indebtedness having a scheduled maturity prior to the Stated Maturity of the Notes; provided that any Capital Stock that would not constitute Redeemable Stock but for provisions thereof giving holders thereof the right to require such Person to repurchase or redeem such Capital Stock upon the occurrence of an "asset sale" or "change of control" occurring prior to the Stated Maturity of the Notes will not constitute Redeemable Stock if the "asset sale" or "change of control" provisions applicable to such Capital Stock are no more favorable to the holders of such Capital Stock than the provisions contained in Sections 1017 and 1010 and such Capital Stock specifically provides that such Person will not repurchase or redeem any such stock pursuant to such provision prior to the Company's

repurchase of such Notes as are required to be repurchased pursuant to Section 1017 and Section 1010.

"Redemption Date", when used with respect to any Note to be redeemed, in whole or in part, means the date fixed for such redemption by or pursuant to this Indenture.

13

"Redemption Price", when used with respect to any Note to be redeemed, means the price at which it is to be redeemed pursuant to this Indenture.

"Registration Rights Agreement" means (i) the Registration Rights Agreement between the Company, Primus Telecommunications Incorporated, Primus Telecommunications (Australia) Pty. Ltd., Primus Telecommunications Pty. Ltd. and the Initial Purchasers dated as of January 29, 1999, concerning the registration and exchange of the Original Notes and (ii) any other similar Registration Rights Agreement relating to any Additional Notes.

"Registration Statement" means a Registration Statement as defined in the Registration Rights Agreement.

"Regular Record Date" for the interest payable on any Interest Payment Date means the January 1 or July 1 (whether or not a Business Day), as the case may be, next preceding such Interest Payment Date.

"Regulation S" means Regulation S under the Securities Act and any successor provision.

"Resale Restriction Termination Date" has the meaning specified in Section 202.

"Responsible Officer", when used with respect to the Trustee, means the chairman or any vice-chairman of the board of directors, the chairman or any vice-chairman of the executive committee of the board of directors, the chairman of the trust committee, the president, any vice president, the secretary, any assistant secretary, the treasurer, any assistant treasurer, the cashier, any assistant cashier, any trust officer or assistant trust officer, the controller or any assistant controller or any other officer of the Trustee customarily performing functions similar to those performed by any of the above-designated officers and having direct responsibility for the administration of this Indenture, and also means, with respect to a particular corporate trust matter, any other officer to whom such matter is referred because of his knowledge of and familiarity with the particular subject.

"Restricted Payments" has the meaning specified in Section 1012. Any Restricted Payments made other than in cash shall be valued at Fair Market Value.

"Restricted Subsidiary" means any Subsidiary of the Company other than an Unrestricted Subsidiary.

"Rule 144A" means Rule 144A under the Securities Act and any successor provision.

"Securities Act" means the Securities Act of 1933, as amended.

"Shelf Registration Statement" means a Shelf Registration Statement as defined in the Registration Rights Agreement.

"Significant Subsidiary" means, at any date of determination, any Subsidiary of the Company that, together with its Subsidiaries, (i) for the most recent fiscal year of the Company, accounted for more than 10% of the consolidated revenues of the Company or (ii) as of the end of such fiscal year, was the owner of more than 10% of the consolidated assets of the Company, all as set forth on the most recently available consolidated financial statements of the Company for such fiscal year.

"Special Record Date" for the payment of any Defaulted Interest means a date fixed by the Trustee pursuant to Section 309.

"Stated Maturity" means, (i) with respect to any debt security, the date specified in such debt security as the fixed date on which the final installment of principal of such debt security is due and payable and (ii) with respect to any scheduled installment of principal of or interest on any debt security, the date specified in such debt security as the fixed date on which such installment is due and payable.

"Strategic Subordinated Indebtedness" means Indebtedness of the Company Incurred to finance the acquisition of a Person engaged in a business that is related, ancillary or complementary to the business conducted by the Company or any of its Restricted Subsidiaries, which Indebtedness by its terms, or by the terms of any agreement or instrument pursuant to which such Indebtedness is Incurred, (i) is expressly made subordinate in right of payment to the Notes and (ii) provides that no payment of principal, premium or interest on, or any other payment with respect to, such Indebtedness may be made prior to the payment in full of all of the Company's obligations under the Notes; provided that such Indebtedness may provide for and be repaid at any time from the proceeds of a capital contribution, the sale of Common Stock (other than Redeemable Stock) of the Company, or other Strategic Subordinated Indebtedness Incurred, after the Incurrence of such Indebtedness.

"Subordinated Indebtedness" means Indebtedness of the Company subordinated in right of payment to the Notes.

"Subsidiary" means, with respect to any Person, any corporation, association or other business entity of which more than 50% of the outstanding Voting Stock is owned, directly or indirectly, by such Person and one or more other Subsidiaries of such Person.

"Trade Payables" means any accounts payable or any other indebtedness or monetary obligation to trade creditors created, assumed or Guaranteed by the Company or any of its Restricted Subsidiaries arising in the ordinary course of business in connection with the acquisition of goods and services.

"Transaction Date" means, with respect to the Incurrence of any Indebtedness by the Company or any of its Restricted Subsidiaries, the date such Indebtedness is to be Incurred and, with respect to any Restricted Payment, the date such Restricted Payment is to be made.

"TresCom Facility" means the \$25,000,000 revolving credit and security agreement dated July 31, 1997, together with the related guarantees, among TresCom International, Inc, the lenders party thereto and PNC Bank, as Agent.

"Trust Indenture Act" or "TIA" means the Trust Indenture Act of 1939 as in force at the date as of which this Indenture was executed, except as provided in Section 905.

"Trustee" means the Person named as the "Trustee" in the first paragraph of this Indenture until a successor Trustee shall have become such pursuant to the applicable provisions of this Indenture, and thereafter "Trustee" shall mean such successor Trustee.

"Uniform Commercial Code" means the Uniform Commercial Code as in effect in New York State.

"Unrestricted Subsidiary" means (i) any Subsidiary of the Company that at the time of determination shall be designated an Unrestricted Subsidiary by the Board of Directors in the manner provided below and (ii) any Subsidiary of an Unrestricted Subsidiary. The Board of Directors may designate any Restricted Subsidiary of the Company (including any newly acquired or newly formed Subsidiary of the Company) to be an Unrestricted Subsidiary unless such Subsidiary owns any Capital Stock of, or owns or holds any Lien on any property of, the Company or any Restricted Subsidiary; provided that (A) either (I) the Subsidiary to be so designated has total assets of \$1,000 or less or (II) if such Subsidiary has assets greater than \$1,000, that such designation would be permitted under Section 1012, and (B) such Subsidiary is not liable, directly or indirectly, with respect to any Indebtedness other than Unrestricted

Subsidiary Indebtedness. The Board of Directors may designate any Unrestricted Subsidiary to be a Restricted Subsidiary of the Company; provided that immediately after giving effect to such designation (x) the Company could Incur \$1.00 of additional Indebtedness under the first paragraph of Section 1011 and (y) no Default or Event of Default shall have occurred and be continuing. Any such designation by the Board of Directors shall be evidenced to the Trustee by promptly filing with the Trustee a copy of the Board Resolution giving effect to such designation and an Officer's Certificate certifying that such designation complied with the foregoing provisions.

"Unrestricted Subsidiary Indebtedness" means Indebtedness of any Unrestricted Subsidiary (i) as to which neither the Company nor any Restricted Subsidiary is directly or indirectly liable (by virtue of the Company or any such Restricted Subsidiary being the primary obligor on, guarantor of, or otherwise liable in any respect to, such Indebtedness), and (ii) which, upon the occurrence of a default with respect thereto, does not result in, or permit any holder of any Indebtedness of the Company or any Restricted Subsidiary to declare, a default on such Indebtedness of the Company or any Restricted Subsidiary or cause the payment thereof to be accelerated or payable prior to its Stated Maturity.

"U.S. Global Note" has the meaning set forth in Section 201.

"U.S. Government Obligations" has the meaning specified in Section 1304.

"U.S. Physical Notes" has the meaning set forth in Section 201.

"U.S. Subsidiary" means any corporation or other entity incorporated or organized under the laws of the United States or any state thereof.

"Vice President", when used with respect to the Company or the Trustee, means any vice president, whether or not designated by a number or a word or words added before or after the title "vice president".

"Voting Stock" means with respect to any Person, Capital Stock of any class or kind ordinarily having the power to vote for the election of directors, managers or other voting members of the governing body of such Person.

"Wholly Owned", with respect to any Subsidiary, means a Subsidiary of the Company if all of the outstanding Capital Stock in such Subsidiary (other than any director's qualifying shares or Investments by foreign nationals mandated by applicable law) is owned by the Company or one or more Wholly Owned Subsidiaries of the Company.

SECTION 102. Incorporation by Reference of Trust Indenture Act.

Whenever this Indenture refers to a provision of the Trust Indenture Act, the provision is incorporated by reference in and made a part of this Indenture. The following Trust Indenture Act terms used in this Indenture have the following meanings:

"indenture notes" means the Notes;

"indenture note holder" means a Holder;

"indenture to be qualified" means this Indenture;

"indenture trustee" or "institutional trustee" means the Trustee;

and

"obligor" on the indenture notes means the Company or any other obligor on the Notes.

All other Trust Indenture Act terms used in this Indenture that are defined by the Trust Indenture Act, defined by reference in the Trust Indenture Act to another statute or defined by a rule of the Commission and not otherwise defined herein shall have the meanings assigned to them therein.

SECTION 103. Compliance Certificates and Opinions.

Upon any application or request by the Company to the Trustee to take any action under any provision of this Indenture, the Company shall furnish to the Trustee an Officer's Certificate stating that all conditions precedent, if any, provided for in this Indenture (including any covenant compliance with which constitutes a condition precedent) relating to the proposed action have been complied with and an Opinion of Counsel stating that in the opinion of such counsel all such conditions precedent, if any, have been complied with, except that in the case of any such application or request as to which the furnishing of such documents is specifically required by any provision of this Indenture relating to such particular application or request, no additional certificate or opinion need be furnished.

Every certificate or opinion with respect to compliance with a condition or covenant provided for in this Indenture (other than pursuant to Section 1008(a)) shall include:

(1) a statement that each individual signing such certificate or opinion has read such covenant or condition and the definitions herein relating thereto;

(2) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based;

(3) a statement that, in the opinion of each such individual, he has made such examination or investigation as is necessary to enable him to express an informed opinion as to whether or not such covenant or condition has been complied with; and

(4) a statement as to whether, in the opinion of each such individual, such condition or covenant has been complied with.

SECTION 104. Form of Documents Delivered to Trustee.

In any case where several matters are required to be certified by, or covered by an opinion of, any specified Person, it is not necessary that all such matters be certified by, or covered by the opinion of, only one such Person, or that they be so certified or covered by only one document, but one such Person may certify or give an opinion with respect to some matters and one or more other such Persons as to other matters, and any such Person may certify or give an opinion as to such matters in one or several documents.

Any certificate or opinion of an officer of the Company may be based, insofar as it relates to legal matters, upon a certificate or opinion of, or representations by, counsel, unless such officer knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to the matters upon which his certificate or opinion is based are erroneous. Any such certificate or Opinion of Counsel may be based, insofar as it relates to factual matters, upon a certificate or opinion of, or representations by, an officer or officers of the Company stating that the information with respect to such factual matters is in the possession of the Company, unless such counsel knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to such matters are erroneous.

Where any Person is required to make, give or execute two or more applications, requests, consents, certificates, statements, opinions or other instruments under this Indenture, they may, but need not, be consolidated and form one instrument.

SECTION 105. Acts of Holders.

(a) Any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders may be embodied in and evidenced by one or more instruments of substantially similar tenor signed by such Holders in person or by agents duly appointed in writing; and, except as herein otherwise expressly provided, such action shall become effective when such instrument or instruments are delivered

to the Trustee and, where it is hereby expressly required, to the Company. Such instrument or instruments (and the action embodied therein and evidenced thereby) are herein sometimes referred to as the "Act" of the Holders signing such instrument or instruments. Proof of execution of any such instrument or of a writing appointing any such agent shall be sufficient for any purpose of this Indenture and conclusive in favor of the Trustee and the Company, if made in the manner provided in this Section.

(b) The fact and date of the execution by any Person of any such instrument or writing may be proved by the affidavit of a witness of such execution or by a certificate of a notary public or other officer authorized by law to take acknowledgments of deeds, certifying that the individual signing such instrument or writing acknowledged to him the execution thereof. Where such execution is by a signer acting in a capacity other than his individual capacity, such certificate or affidavit shall also constitute sufficient proof of authority. The fact and date of the execution of any such instrument or writing, or the authority of the Person executing the same, may also be proved in any other manner that the Trustee deems sufficient.

(c) The principal amount and serial numbers of Notes held by any Person, and the date of holding the same, shall be proved by the Note Register.

(d) If the Company shall solicit from the Holders of Notes any request, demand, authorization, direction, notice, consent, waiver or other Act, the Company may, at its option, by or pursuant to a Board Resolution, fix in advance a record date for the determination of Holders entitled to give such request, demand, authorization, direction, notice, consent, waiver or other Act, but the Company shall have no obligation to do so. Notwithstanding TIA Section 316(c), such record date shall be the record date specified in or pursuant to such Board Resolution, which shall be a date not earlier than the date 30 days prior to the first solicitation of Holders generally in connection therewith and not later than the date such solicitation is completed. If such a record date is fixed, such request, demand, authorization, direction, notice, consent, waiver or other Act may be given before or after such record date, but only the Holders of record at the close of business on such record date shall be deemed to be Holders for the purposes of determining whether Holders of the requisite proportion of Outstanding Notes have authorized or agreed or consented to such request, demand, authorization, direction, notice, consent, waiver or other Act, and for that purpose the Outstanding Notes shall be computed as of such record date; provided that no such authorization, agreement or consent by the Holders on such record date shall be deemed effective unless it shall become effective pursuant to the provisions of this Indenture not later than eleven months after the record date.

(e) Any request, demand, authorization, direction, notice, consent, waiver or other Act of the Holder of any Note shall bind every future Holder of the same Note and the Holder of every Note issued upon the registration of transfer thereof or in exchange therefor or in lieu thereof in respect of anything done, omitted or suffered to be done by the Trustee or the Company in reliance thereon, whether or not notation of such action is made upon such Note.

SECTION 106. Notices, Etc. to Trustee, Company.

Any request, demand, authorization, direction, notice, consent, waiver or Act of Holders or other document provided or permitted by this Indenture to be made upon, given or furnished to, or filed with,

(1) the Trustee by any Holder or by the Company shall be sufficient for every purpose hereunder if made, given, furnished or filed in writing to or with the Trustee at its Corporate Trust Office, Attention: Corporate Trust, 800 East Main Street, 2nd Floor, Richmond, Virginia 23219, or

18

(2) the Company by the Trustee or by any Holder shall be sufficient for every purpose hereunder (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to the Company addressed to it at the address of its principal office specified in the first paragraph of this Indenture, or at any other address previously furnished in writing to the Trustee by the Company.

SECTION 107. Notice to Holders; Waiver.

Where this Indenture provides for notice of any event to Holders by the Company or the Trustee, such notice shall be sufficiently given (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to each Holder affected by such event, at his address as it appears in the Note Register, not later than the latest date, and not earlier than the earliest date, prescribed for the giving of such notice. In any case where notice to Holders is given by mail, neither the failure to mail such notice, nor any defect in any notice so mailed, to any particular Holder shall affect the sufficiency of such notice with respect to other Holders. Any notice mailed to a Holder in the manner herein prescribed shall be conclusively deemed to have been received by such Holder, whether or not such Holder actually receives such notice. Where this Indenture provides for notice in any manner, such notice may be waived in writing by the Person entitled to receive such notice, either before or after the event, and such waiver shall be the equivalent of such notice. Waivers of notice by Holders shall be filed with the Trustee, but such filing shall not be a condition precedent to the validity of any action taken in reliance upon such waiver.

In case by reason of the suspension of or irregularities in regular mail service or by reason of any other cause, it shall be impracticable to mail notice of any event to Holders when such notice is required to be given pursuant to any provision of this Indenture, then any manner of giving such notice as shall be satisfactory to the Trustee shall be deemed to be a sufficient giving of such notice for every purpose hereunder.

SECTION 108. Effect of Headings and Table of Contents.

The Article and Section headings herein and the Table of Contents are for convenience only and shall not affect the construction hereof.

SECTION 109. Successors and Assigns.

All covenants and agreements in this Indenture by the Company shall bind its successors and assigns, whether so expressed or not.

SECTION 110. Separability Clause.

In case any provision in this Indenture or in the Notes shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

SECTION 111. Benefits of Indenture.

Nothing in this Indenture or in the Notes, express or implied, shall give to any Person, other than the parties hereto, any Paying Agent, any Notes Registrar and their successors hereunder, and the Holders, any benefit or any legal or equitable right, remedy or claim under this Indenture.

SECTION 112. Governing Law.

This Indenture and the Notes shall be governed by and construed in accordance with the law of the State of New York. Upon the issuance of Exchange Notes, if any, or the effectiveness of the Shelf Registration Statement, this Indenture will be subject to the provisions of the Trust Indenture Act that are required to be part of this Indenture and shall, to the extent applicable, be governed by such provisions. Each of the parties hereto submits to the jurisdiction of the U.S. federal and any New York state court located in the Borough of Manhattan, City and State of

19

New York with respect to any actions brought against it as defendant in any suit, action or proceeding arising out of or relative to this Indenture or the Notes and waives any rights to which it may be entitled on account of place of residence or domicile.

SECTION 113. Legal Holidays.

In any case where any Interest Payment Date, Redemption Date, sinking fund payment date or Stated Maturity or Maturity of any Note shall not be a Business Day, then (notwithstanding any other provision of this Indenture or of the Notes) payment of principal (or premium, if any) or interest need not be made on such date, but may be made on the next succeeding Business Day with

the same force and effect as if made on the Interest Payment Date, Redemption Date or sinking fund payment date, or at the Stated Maturity or Maturity; provided that no interest shall accrue for the period from and after such Interest Payment Date, Redemption Date, sinking fund payment date, Stated Maturity or Maturity, as the case may be.

SECTION 114. Currency Indemnity.

U.S. dollars are the sole currency of account and payment for all sums payable by the Company under or in connection with the Notes, including damages. Any amount received or recovered in a currency other than dollars (whether as a result of, or of the enforcement of, a judgment or order of a court of any jurisdiction, in the winding-up or dissolution of the Company or otherwise) by any Holder of a Note in respect of any sum expressed to be due to it from the Company shall only constitute a discharge to the Company to the extent of the dollar amount which the recipient is able to purchase with the amount so received or recovered in that other currency on the date of that receipt or recovery (or, if it is not practicable to make that purchase on that date, on the first date on which it is practicable to do so). If that dollar amount is less than the dollar amount expressed to be due to the recipient under any Note, the Company shall indemnify the recipient against any loss sustained by it as a result. In any event, the Company shall indemnify the recipient against the cost of making any such purchase. For the purposes of this Section 114, it will be sufficient for the Holder of a Note to certify in a satisfactory manner (indicating the sources of information used) that it would have suffered a loss had an actual purchase of dollars been made with the amount so received in that other currency on the date of receipt or recovery (or, if a purchase of dollars on such date had not been practicable, on the first date on which it would have been practicable, it being required that the need for a change of date be certified in the manner mentioned above). These indemnities constitute a separate and independent obligation from the Company's other obligations, shall give rise to a separate and independent cause of action, shall apply irrespective of any indulgence granted by any Holder of a Note and shall continue in full force and effect despite any other judgment, order, claim or proof for a liquidated amount in respect of any sum due under any Note.

ARTICLE TWO

NOTE FORMS

SECTION 201. Forms Generally.

The Notes and the Trustee's certificate of authentication shall be in substantially the form annexed hereto as Exhibit A. The Notes may have such appropriate insertions, omissions, substitutions and other variations as are required or permitted by this Indenture and may have such letters, numbers or other marks of identification and such notations, legends or endorsements as may be required by law, or to comply with the rules of any securities exchange or agreements to which the Company is subject or as may, consistently herewith, be determined by the officers executing such Notes, as evidenced by their execution of the Notes. Any portion of the text of any Note may be set forth on the reverse thereof, with an appropriate reference thereto on the face of the Note. The Company shall approve the form of the Notes and any notation, legend or endorsement on the Notes.

20

The terms and provisions contained in the form of the Notes annexed hereto as Exhibit A shall constitute, and are hereby expressly made, a part of this Indenture. To the extent applicable, the Company and the Trustee, by their execution and delivery of this Indenture, expressly agree to such terms and provisions and to be bound thereby.

Initial Notes offered and sold in reliance on Rule 144A shall be issued initially in the form of one or more permanent global Notes in registered form, substantially in the form set forth in Exhibit A and contain each of the legends set forth in Section 202 (the "U.S. Global Note"), registered in the name of the Depositary or the nominee of the Depositary, deposited with the Trustee, as custodian for the Depositary, duly executed by the Company and authenticated by the Trustee as hereinafter provided. The aggregate principal amount of the U.S. Global Note may from time to time be increased or decreased by adjustments made on the records of the Trustee, as custodian for the Depositary or its nominee, as hereinafter provided.

Initial Notes offered and sold in offshore transactions in reliance on Regulation S shall be issued initially in the form of a single permanent global Note in registered form, substantially in the form set forth in Exhibit A (the "Offshore Global Note"), registered in the name of the Depositary or the nominee of the Depositary, deposited with the Trustee, as custodian for the Depositary or its nominee, duly executed by the Company and authenticated by the Trustee as hereinafter provided. The aggregate principal amount of the Offshore Global Note may from time to time be increased or decreased by adjustments made in the records of the Trustee, as custodian for the Depositary or its nominee, as herein provided. Initial Notes issued pursuant to Section 305 in exchange for or upon transfer of beneficial interests in the U.S. Global Note or the Offshore Global Note shall be in the form of U.S. Physical Notes or in the form of permanent certificated Notes substantially in the form set forth in Exhibit A (the "Offshore Physical Notes"), respectively as hereinafter provided.

Initial Notes offered and sold other than as described in the preceding two paragraphs shall be issued in the form of permanent certificated Notes in registered form substantially in the form set forth in Exhibit A and, unless sold in a transaction registered under the Securities Act, contain the Private Placement Legend as set forth in Section 202(a) (i) (the "U.S. Physical Notes").

The Offshore Physical Notes and U.S. Physical Notes are sometimes collectively herein referred to as the "Physical Notes". The U.S. Global Note and the Offshore Global Notes are sometimes collectively referred to as the "Global Notes".

The definitive Notes shall be printed, lithographed or engraved on steel-engraved borders or may be produced in any other manner, all as determined by the officers of the Company executing such Notes, as evidenced by their execution of such Notes.

Exchange Notes shall be substantially in the form set forth in Exhibit A.

SECTION 202. Restrictive Legends.

(a) Unless and until (x) an Initial Note is sold pursuant to an effective Shelf Registration Statement or (y) an Initial Note is exchanged for an Exchange Note in an Exchange Offer pursuant to an effective Exchange Offer Registration Statement, in each case pursuant to the Registration Rights Agreement, (A) each such U.S. Global Note and each U.S. Physical Note shall bear the following legends (the "Private Placement Legend") on the face thereof and (B) the Offshore Physical Notes and the Offshore Global Note shall bear the Private Placement Legend on the face thereof until at least 41 days after the date hereof (the "Offshore Notes Exchange Date") and receipt by the Trustee of a certificate substantially in the form of Exhibit B hereto:

(i) THE NOTES EVIDENCED HEREBY HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR ANY STATE OR OTHER SECURITIES

21

LAWS. NEITHER THIS NOTE NOR ANY INTEREST OR PARTICIPATION HEREIN MAY BE REOFFERED, SOLD, ASSIGNED, TRANSFERRED, PLEDGED, ENCUMBERED OR OTHERWISE DISPOSED OF IN THE ABSENCE OF SUCH REGISTRATION OR UNLESS THE TRANSACTION IS EXEMPT FROM, OR NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT. THE HOLDER OF THIS NOTE BY ITS ACCEPTANCE HEREOF (1) REPRESENTS THAT (A) IT IS A "QUALIFIED INSTITUTIONAL BUYER" (AS DEFINED IN RULE 144A UNDER THE SECURITIES ACT ("RULE 144A")) OR (B) IT IS NOT A U.S. PERSON AND IS ACQUIRING THIS NOTE IN AN "OFFSHORE TRANSACTION" PURSUANT TO RULE 903 OR 904 OF REGULATION S UNDER THE SECURITIES ACT, (2) AGREES THAT IT WILL NOT PRIOR TO (X) THE DATE WHICH IS TWO YEARS (OR SUCH SHORTER PERIOD OF TIME AS PERMITTED BY RULE 144(k) UNDER THE SECURITIES ACT OR ANY SUCCESSOR PROVISION THEREUNDER) AFTER THE LATER OF THE ORIGINAL ISSUE DATE HEREOF (OR OF ANY PREDECESSOR OF THIS NOTE) OR THE LAST DAY ON WHICH THE COMPANY OR ANY AFFILIATE OF THE COMPANY WAS THE OWNER OF THIS NOTE (OR ANY PREDECESSOR OF THIS NOTE) AND (Y) SUCH LATER DATE, IF ANY, AS MAY BE REQUIRED BY APPLICABLE LAW (THE "RESALE RESTRICTION TERMINATION DATE"), OFFER, SELL OR OTHERWISE TRANSFER THIS NOTE EXCEPT (A) TO THE COMPANY, (B) PURSUANT TO A REGISTRATION STATEMENT WHICH HAS BEEN DECLARED EFFECTIVE

UNDER THE SECURITIES ACT, (C) FOR SO LONG AS THE NOTES ARE ELIGIBLE FOR RESALE PURSUANT TO RULE 144A INSIDE THE UNITED STATES, TO A PERSON IT REASONABLY BELIEVES IS A "QUALIFIED INSTITUTIONAL BUYER" AS DEFINED IN RULE 144A THAT PURCHASES FOR ITS OWN ACCOUNT OR FOR THE ACCOUNT OF A QUALIFIED INSTITUTIONAL BUYER TO WHOM NOTICE IS GIVEN THAT THE TRANSFER IS BEING MADE IN RELIANCE ON RULE 144A, (D) PURSUANT TO OFFERS AND SALES TO NON-U.S. PERSONS THAT OCCUR OUTSIDE THE UNITED STATES WITHIN THE MEANING OF REGULATION S UNDER THE SECURITIES ACT, PURSUANT TO RULE 904 OF REGULATION S OR (E) PURSUANT TO ANOTHER AVAILABLE EXEMPTION FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND (3) AGREES THAT IT WILL GIVE TO EACH PERSON TO WHOM THIS NOTE IS TRANSFERRED A NOTICE SUBSTANTIALLY TO THE EFFECT OF THIS LEGEND; PROVIDED THAT THE COMPANY, THE TRUSTEE, AND THE REGISTRAR SHALL HAVE THE RIGHT PRIOR TO ANY SUCH OFFER, SALE OR TRANSFER (I) PURSUANT TO CLAUSE (D) OR (E) TO REQUIRE THE DELIVERY OF AN OPINION OF COUNSEL, CERTIFICATION AND/OR OTHER INFORMATION SATISFACTORY TO EACH OF THEM, AND (II) IN EACH OF THE FOREGOING CASES, TO REQUIRE THAT A CERTIFICATION OF TRANSFER IN THE FORM APPEARING ON THE OTHER SIDE OF THIS NOTE IS COMPLETED AND DELIVERED BY THE TRANSFEROR TO THE TRUSTEE. THIS LEGEND WILL BE REMOVED UPON THE REQUEST OF THE HOLDER AFTER THE RESALE RESTRICTION TERMINATION DATE. AS USED HEREIN, THE TERMS "OFFSHORE TRANSACTION," "UNITED STATES" AND "U.S. PERSON" HAVE THE RESPECTIVE MEANINGS GIVEN TO THEM BY REGULATION S UNDER THE SECURITIES ACT.

(ii) THE NOTE REPRESENTED BY THIS CERTIFICATE IS SUBJECT TO THE PROVISIONS OF A REGISTRATION RIGHTS AGREEMENT BY AND BETWEEN THE COMPANY AND THE HOLDERS NAMED THEREIN. THE COMPANY WILL FURNISH A COPY OF SUCH AGREEMENT TO THE RECORD HOLDER OF THIS CERTIFICATE WITHOUT CHARGE UPON WRITTEN REQUEST TO THE COMPANY AT ITS PRINCIPAL PLACE OF BUSINESS OR REGISTERED OFFICE.

(b) Each Global Note, whether or not an Initial Note, shall also bear the following legend on the face thereof:

UNLESS THIS CERTIFICATE IS PRESENTED BY AN AUTHORIZED REPRESENTATIVE OF THE DEPOSITORY TRUST COMPANY, A NEW YORK CORPORATION ("DTC"), TO THE COMPANY OR ITS AGENT FOR REGISTRATION OF TRANSFER, EXCHANGE OR PAYMENT, AND ANY

22

CERTIFICATE ISSUED IS REGISTERED IN THE NAME OF CEDE & CO. OR IN SUCH OTHER NAME AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF DTC (AND ANY PAYMENT IS MADE TO CEDE & CO. OR TO SUCH OTHER ENTITY AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF DTC), ANY TRANSFER, PLEDGE OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL INASMUCH AS THE REGISTERED OWNER HEREOF, CEDE & CO., HAS AN INTEREST HEREIN.

TRANSFERS OF THIS GLOBAL NOTE SHALL BE LIMITED TO TRANSFERS IN WHOLE, BUT NOT IN PART, TO NOMINEES OF CEDE & CO. OR TO A SUCCESSOR THEREOF OR SUCH SUCCESSOR'S NOMINEE AND TRANSFERS OF PORTIONS OF THIS GLOBAL NOTE SHALL BE LIMITED TO TRANSFERS MADE IN ACCORDANCE WITH THE RESTRICTIONS SET FORTH IN SECTIONS 306 AND 307 OF THE INDENTURE.

ARTICLE THREE

THE NOTES

SECTION 301. Titles and Terms.

The aggregate principal amount of Notes which may be authenticated and delivered under this Indenture is limited to \$275,000,000, except for Notes authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Notes pursuant to Section 303, 304, 305, 308, 906, 1010, 1017 or 1108. The aggregate principal amount of Notes to be authenticated and delivered under this Indenture on the Closing Date shall be \$200,000,000.

With respect to any Additional Notes issued after the Closing Date

(except for Notes authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Notes pursuant to Section 303, 304, 305, 308, 906, 1010, 1017 or 1108), there shall be (i) established in or

pursuant to a Board Resolution and (ii) (A) set forth or determined in the manner provided in an Officer's Certificate or (B) established in one or more indentures supplemental hereto, prior to the issuance of such Additional Notes:

(1) the aggregate principal amount of such Additional Notes which may be authenticated or delivered under this Indenture, which shall not be in an amount which exceeds \$75,000,000 (except for Notes authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Notes pursuant to Section 303, 304, 305, 308, 906, 1010, 1017 or 1108);

(2) the issue price and issuance date of such Additional Notes, including the date from which interest on such Additional Notes shall accrue;

(3) whether the CUSIP number for such Additional Notes shall be the same as that for the Notes issued on the date hereof;

(4) whether such Additional Notes shall be deemed to be of the same series as the Notes issued on the date hereof;

(5) if applicable, that such Additional Notes shall be issuable in whole or in part in the form of one or more Global Notes and, in such case, the respective depositories for such Global Notes, the form of any legend or legends which shall be borne by such Global Notes in addition to or in lieu of those set forth in Section 202 and any circumstances in addition to or in lieu of those set forth in Section 307 under which any such Global Notes may be exchanged in whole or in part for Additional Notes registered, or any transfer of

23

such Global Notes in whole or in part may be registered, in the name or names of Persons other than the depository for such Global Notes or a nominee thereof; and

(6) if applicable, that such Additional Notes shall not be issued in the form of Initial Notes, but shall be issued in the form of Exchange Notes.

If any of the terms of any Additional Notes are established by action taken by a Board Resolution, a copy of the appropriate record of such action shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Officer's Certificate or any indenture supplemental hereto setting forth the terms of such Additional Notes.

The Initial Notes shall be known as the "11-1/4% Senior Notes Due 2009" and the Exchange Notes shall be known as the "11-1/4% Series B Senior Notes Due 2009," in each case, of the Company. The Stated Maturity of the Notes shall be January 15, 2009, and the Notes shall bear interest at the rate of 11-1/4% per annum from the Issuance Date, or from the most recent Interest Payment Date to which interest has been paid or duly provided for, payable on July 15, 1999 and semi-annually thereafter on January 15 and July 15 in each year and at said Stated Maturity, until the principal thereof is paid or duly provided for.

The principal of (and premium and Liquidated Damages, if any) and interest on the Notes shall be payable at the office or agency of the Company maintained for such purpose in The City of New York, or at such other office or agency of the Company as may be maintained for such purpose; provided, however, that, at the option of the Company, interest may be paid by check mailed to addresses of the Persons entitled thereto as such addresses shall appear on the Note Register.

The Notes shall be redeemable as provided in Article Eleven.

SECTION 302. Denominations.

The Notes shall be issuable only in registered form without coupons and only in denominations of \$1,000 and any integral multiple thereof; provided that Notes issued to a Holder that delivers an Accredited Investor Certificate pursuant to Section 307 shall be issuable only in registered form without

coupons and only in denominations of \$250,000 and any integral multiple of \$1,000 in excess thereof.

SECTION 303. Execution, Authentication, Delivery and Dating.

The Notes shall be executed on behalf of the Company by its Chairman, its President or a Vice President, and attested by its Secretary, an Assistant Secretary or any Vice President. The signature of any of these officers on the Notes may be manual or facsimile signatures of the present or any future such authorized officer and may be imprinted or otherwise reproduced on the Notes.

Notes bearing the manual or facsimile signatures of individuals who were at any time the proper officers of the Company shall bind the Company, notwithstanding that such individuals or any of them have ceased to hold such offices prior to the authentication and delivery of such Notes or did not hold such offices at the date of such Notes.

At any time and from time to time after the execution and delivery of this Indenture, the Company may deliver Notes executed by the Company to the Trustee for authentication, together with a Company Order for the authentication and delivery of such Notes, and the Trustee in accordance with such Company Order shall authenticate and deliver such Notes.

24

At any time and from time to time after the execution and delivery of this Indenture, the Company may deliver Initial Notes executed by the Company to the Trustee for authentication, together with a Company Order for the authentication and delivery of such Initial Notes directing the Trustee to authenticate the Notes and certifying that all conditions precedent to the issuance of Notes contained herein have been fully complied with, and the Trustee in accordance with such Company Order shall authenticate and deliver such Initial Notes. On Company Order, the Trustee shall authenticate for original issue Exchange Notes in an aggregate principal amount not to exceed \$275,000,000; provided that such Exchange Notes shall be issuable only upon the valid surrender for cancellation of Initial Notes of a like aggregate principal amount in accordance with an Exchange Offer pursuant to the Registration Rights Agreement and a Company Order for the authentication of such securities certifying that all conditions precedent to the issuance have been complied with (including the effectiveness of a registration statement related thereto). In each case, the Trustee shall be entitled to receive an Officer's Certificate and an Opinion of Counsel of the Company that it may reasonably request in connection with such authentication of Notes. Such order shall specify the amount of Notes to be authenticated and the date on which the original issue of Initial Notes or Exchange Notes is to be authenticated.

Each Note shall be dated the date of its authentication.

No Note shall be entitled to any benefit under this Indenture or be valid or obligatory for any purpose unless there appears on such Note a certificate of authentication substantially in the form provided for in Exhibit A, duly executed by the Trustee by manual signature of an authorized officer, and such certificate upon any Note shall be conclusive evidence, and the only evidence, that such Note has been duly authenticated and delivered hereunder and is entitled to the benefits of this Indenture.

In case the Company, pursuant to Article Eight, shall be consolidated or merged with or into any other Person or shall convey, transfer, lease or otherwise dispose of its properties and assets substantially as an entirety to any Person, and the successor Person resulting from such consolidation, or surviving such merger, or into which the Company shall have been merged, or the Person which shall have received a conveyance, transfer, lease or other disposition as aforesaid, shall have executed an indenture supplemental hereto with the Trustee pursuant to Article Eight, any of the Notes authenticated or delivered prior to such consolidation, merger, conveyance, transfer, lease or other disposition may, from time to time, at the request of the successor Person, be exchanged for other Notes executed in the name of the successor Person with such changes in phraseology and form as may be appropriate, but otherwise in substance of like tenor as the Notes surrendered for such exchange and of like principal amount; and the Trustee, upon Company Request of the successor Person, shall authenticate and deliver Notes as specified in such request for the purpose of such exchange. If Notes shall at

any time be authenticated and delivered in any new name of a successor Person pursuant to this Section in exchange or substitution for or upon registration of transfer of any Notes, such successor Person, at the option of the Holders but without expense to them, shall provide for the exchange of all Notes at the time Outstanding for Notes authenticated and delivered in such new name.

SECTION 304. Temporary Note.

Pending the preparation of definitive Notes, the Company may execute, and upon Company Order the Trustee shall authenticate and deliver, temporary Notes which are printed, lithographed, typewritten, mimeographed or otherwise produced, in any authorized denomination, substantially of the tenor of the definitive Notes in lieu of which they are issued and with such appropriate insertions, omissions, substitutions and other variations as the officers executing such Notes may determine, as conclusively evidenced by their execution of such Notes.

If temporary Notes are issued, the Company will cause definitive Notes to be prepared without unreasonable delay. After the preparation of definitive Notes, the temporary Notes shall be exchangeable for definitive Notes upon surrender of the temporary Notes at the office or agency of the Company designated for such purpose pursuant to Section 1002, without charge to the Holder. Upon surrender for cancellation of any one or more temporary Notes, the Company shall execute and upon Company Order the Trustee shall authenticate and deliver in exchange therefor

25

a like principal amount of definitive Notes of authorized denominations. Until so exchanged, the temporary Notes shall in all respects be entitled to the same benefits under this Indenture as definitive Notes.

SECTION 305. Registration, Registration of Transfer and Exchange.

The Company shall cause to be kept at the Corporate Trust Office of the Trustee a register (the register maintained in such office and in any other office or agency designated pursuant to Section 1002 being herein sometimes referred to as the "Note Register") in which, subject to such reasonable regulations as it may prescribe, the Company shall provide for the registration of Notes and of transfers of Notes. The Note Register shall be in written form or any other form capable of being converted into written form within a reasonable time. At all reasonable times, the Note Register shall be open to inspection by the Trustee. The Trustee is hereby initially appointed as security registrar (the "Note Registrar") for the purpose of registering Notes and transfers of Notes as herein provided.

Upon surrender for registration of transfer of any Note at the office or agency of the Company designated pursuant to Section 1002, the Company shall execute, and upon Company Order the Trustee shall authenticate and deliver, in the name of the designated transferee or transferees, one or more new Notes of any authorized denomination or denominations of a like aggregate principal amount.

At the option of the Holder, Notes may be exchanged for other Notes of any authorized denomination and of a like aggregate principal amount, upon surrender of the Notes to be exchanged at such office or agency. Whenever any Notes are so surrendered for exchange, the Company shall execute, and upon Company Order the Trustee shall authenticate and deliver, the Notes which the Holder making the exchange is entitled to receive; provided that no exchange of Initial Notes for Exchange Notes shall occur until an Exchange Offer Registration Statement shall have been declared effective by the Commission, the Trustee shall have received an Officer's Certificate confirming that the Exchange Offer Registration Statement has been declared effective by the Commission and that the Initial Notes to be exchanged for the Exchange Notes shall be canceled by the Trustee.

All Notes issued upon any registration of transfer or exchange of Notes shall be the valid obligations of the Company, evidencing the same debt, and entitled to the same benefits under this Indenture, as the Notes surrendered upon such registration of transfer or exchange.

Every Note presented or surrendered for registration of transfer or for exchange shall be duly endorsed and be accompanied by a written instrument

of transfer, in form satisfactory to the Company and the Note Registrar, duly executed by the Holder thereof or his attorney duly authorized in writing.

No service charge shall be made for any registration of transfer or exchange or redemption of Notes, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any registration of transfer or exchange of Notes, other than exchanges pursuant to Section 304, 906, 1010, 1017 or 1108 not involving any transfer.

The Company shall not be required (i) to issue, register the transfer of or exchange any Note during a period beginning at the opening of business 15 days before the selection of Notes to be redeemed under Section 1104 and ending at the close of business on the day of such mailing of the relevant notice of redemption, or (ii) to register the transfer of or exchange any Note so selected for redemption in whole or in part, except the unredeemed portion of any Note being redeemed in part.

SECTION 306. Book-Entry Provisions for Global Notes.

(a) Each Global Note initially shall (i) be registered in the name of the Depositary for such Global Note or the nominee of such Depositary, (ii) be delivered to the Trustee as custodian for such Depositary and (iii) bear legends as set forth in Section 202.

26

Members of, or participants in, the Depositary ("Agent Members") shall have no rights under this Indenture with respect to any Global Note held on their behalf by the Depositary, or the Trustee as its custodian, or under the Global Note, and the Depositary may be treated by the Company, the Trustee and any agent of the Company or the Trustee as the absolute owner of such Global Note for all purposes whatsoever. Notwithstanding the foregoing, nothing herein shall prevent the Company, the Trustee or any agent of the Company or the Trustee, from giving effect to any written certification, proxy or other authorization furnished by the Depositary or shall impair, as between the Depositary and its Agent Members, the operation of customary practices governing the exercise of the rights of a holder of any Note.

(b) Transfers of a Global Note shall be limited to transfers of such Global Note in whole, but not in part, to the Depositary, its successors or their respective nominees, except (i) as otherwise set forth in Section 307 and (ii) U.S. Physical Notes or Offshore Physical Notes shall be transferred to all beneficial owners in exchange for their beneficial interests in the U.S. Global Note or the Offshore Global Note, respectively, in the event that the Depositary notifies the Company that it is unwilling or unable to continue as Depositary for the applicable Global Note or the Depositary ceases to be a "Clearing Agency" registered under the Exchange Act and a successor depositary is not appointed by the Company within 90 days. Interests of beneficial owners in a Global Note may be transferred in accordance with the rules and procedures of the Depositary and the provisions of Section 307. In connection with the transfer of an entire Global Note to beneficial owners pursuant to clause (ii) of this paragraph (b), the applicable Global Note shall be deemed to be surrendered to the Trustee for cancellation, and the Company shall execute, and the Trustee shall authenticate and deliver, to each beneficial owner identified by the Depositary in exchange for its beneficial interest in the applicable Global Note, an equal aggregate principal amount at maturity of U.S. Physical Notes (in the case of the U.S. Global Note) or Offshore Physical Notes (in the case of the Offshore Global Note), as the case may be, of authorized denominations.

(c) Any beneficial interest in one of the Global Notes that is transferred to a Person who takes delivery in the form of an interest in the other Global Note will, upon transfer, cease to be an interest in such Global Note and become an interest in the other Global Note and, accordingly, will thereafter be subject to all transfer restrictions, if any, and other procedures applicable to beneficial interests in such other Global Note for as long as it remains such an interest.

(d) Any U.S. Physical Note delivered in exchange for an interest in the U.S. Global Note pursuant to paragraph (b) of this Section shall, unless such change is made on or after the Resale Restriction Termination Date and except as otherwise provided in Section 307, bear the Private Placement Legend.

(e) The registered holder of a Global Note may grant proxies and otherwise authorize any person, including Agent Members and persons that may hold interests through Agent Members, to take any action which a Holder is entitled to take under this Indenture or the Notes.

SECTION 307. Transfer Provisions.

Unless and until (i) an Initial Note is sold pursuant to an effective Registration Statement, or (ii) an Initial Note is exchanged for an Exchange Note in the Exchange Offer pursuant to an effective Registration Statement, in each case, pursuant to the Registration Rights Agreement, the following provisions shall apply:

(a) General. The provisions of this Section 307 shall apply to all transfers involving any Physical Note and any beneficial interest in any Global Note.

(b) Certain Definitions. As used in this Section 307 only, "delivery" of a certificate by a transferee or transferor means the delivery to the Note Registrar by such transferee or transferor of the applicable certificate duly completed; "holding" includes both possession of a Physical Note and ownership of a beneficial

27

interest in a Global Note, as the context requires; "transferring" a Global Note means transferring that portion of the principal amount of the transferor's beneficial interest therein that the transferor has notified the Note Registrar that it has agreed to transfer; and "transferring" a Physical Note means transferring that portion of the principal amount thereof that the transferor has notified the Note Registrar that it has agreed to transfer.

As used in this Indenture, "Accredited Investor Certificate" means a certificate substantially in the form set forth in Exhibit C; "Regulation S Certificate" means a certificate substantially in the form set forth in Exhibit D; "Rule 144A Certificate" means a certificate substantially in the form set forth in Exhibit E; and "Non-Registration Opinion and Supporting Evidence" means a written opinion of counsel reasonably acceptable to the Company to the effect that, and such other certification or information as the Company may reasonably require to confirm that, the proposed transfer is being made pursuant to an exemption from, or in a transaction not subject to, the registration requirements of the Securities Act.

(c [Intentionally Omitted])

(d Deemed Delivery of a Rule 144A Certificate in Certain Circumstances. A Rule 144A Certificate, if not actually delivered, will

be deemed delivered if (A) (i) the transferor advises the Company and the Trustee in writing that the relevant offer and sale were made in accordance with the provisions of Rule 144A (or, in the case of a transfer of a Physical Note, the transferor checks the box provided on the Physical Note to that effect) and (ii) the transferee advises the Company and the Trustee in writing that (x) it and, if applicable, each account for which it is acting in connection with the relevant transfer, is a qualified institutional buyer within the meaning of Rule 144A, (y) it is aware that the transfer of Notes to it is being made in reliance on the exemption from the provisions of Section 5 of the Securities Act provided by Rule 144A, and (z) if at any time the Company is not subject to Section 13 or 15(d) of the Exchange Act, prior to the proposed date of transfer the transferee has been given the opportunity to obtain from the Company the information referred to in Rule 144A(d)(4), and has either declined such opportunity or has received such information (or, in the case of a transfer of a Physical Note, the transferee signs the certification provided on the Physical Note to that effect); or (B) the transferor holds the U.S. Global Note and is transferring to a transferee that will take delivery in the form of the U.S. Global Note.

(e Procedures and Requirements.

1) if the proposed transfer occurs prior to the Offshore Notes Exchange Date, and the proposed transferor holds:

(A) a U.S. Physical Note which is surrendered to the Note Registrar, and the proposed transferee or transferor, as applicable:

(i) delivers an Accredited Investor Certificate and, if required by the Company, a Non-Registration Opinion and Supporting Evidence, or delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee requests delivery in the form of a U.S. Physical Note, then the Note Registrar shall (x) register such transfer in the name of such transferee and record the date thereof in its books and records, (y) cancel such surrendered U.S. Physical Note and (z) deliver a new U.S. Physical Note to such transferee duly registered in the name of such transferee in principal amount equal to the principal amount being transferred of such surrendered U.S. Physical Note;

(ii) delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee is or is acting through an Agent member and requests that the proposed transferee receive a beneficial interest in the

28

U.S. Global Note, then the Note Registrar shall (x) cancel such surrendered U.S. Physical Note, (y) record an increase in the principal amount of the U.S. Global Note equal to the principal amount being transferred of such surrendered U.S. Physical Note and (z) notify the Depository in accordance with the procedures of the Depository that it approves of such transfer; or

(iii) delivers a Regulation S Certificate and the proposed transferee is or is acting through an Agent Member and requests that the proposed transferee receive a beneficial interest in the Offshore Global Note, then the Note Registrar shall (x) cancel such surrendered U.S. Physical Note, (y) record an increase in the principal amount of the Offshore Global Note equal to the principal amount being transferred of such surrendered U.S. Physical Note and (z) notify the Depository in accordance with the procedures of the Depository that it approves of such transfer.

In any of the cases described in this Section 307(e) (1) (A), the Note Registrar shall deliver to the transferor a new U.S. Physical Note in principal amount equal to the principal amount not being transferred of such surrendered U.S. Physical Note, as applicable.

(B) an interest in the U.S. Global Note, and the proposed transferee or transferor, as applicable:

(i) delivers an Accredited Investor Certificate and, if required by the Company, a Non-Registration Opinion and Supporting Evidence, or delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee requests delivery in the form of a U.S. Physical Note, then the Note Registrar shall (w) register such transfer in the name of such transferee and record the date thereof in its books and records, (x) record a decrease in the principal amount of the U.S. Global Note in an amount equal to the beneficial interest therein being transferred, (y) deliver a new U.S. Physical Note to such transferee duly registered in the name of such transferee in principal amount equal to the amount of such decrease and (z) notify the Depository in accordance with the procedures of the Depository that it approves of such transfer;

(ii) delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee is or is acting through an Agent Member and requests that the proposed transferee receive a beneficial interest in the U.S. Global Note, then the transfer shall be effected in accordance with the procedures of the Depositary therefor; or

(iii) delivers a Regulation S Certificate and the proposed transferee is or is acting through an Agent Member and requests that the proposed transferee receive a beneficial interest in the Offshore Global Note, then the Note Registrar shall (w) register such transfer in the name of such transferee and record the date thereof in its books and records, (x) record a decrease in the principal amount of the U.S. Global Note in an amount equal to the beneficial interest therein being transferred, (y) record an increase in the principal amount of the Offshore Global Note equal to the amount of such decrease and (z) notify the Depositary in accordance with the procedures of the Depositary that it approves of such transfer.

29

(C) an interest in the Offshore Global Note, and the proposed transferee or transferor, as applicable:

(i) delivers an Accredited Investor Certificate and, if required by the Trust, a Non-Registration Opinion and Supporting Evidence delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee requests delivery in the form of a U.S. Physical Note, then the Note Registrar shall (w) register such transfer in the name of such transferee and record the date thereof in its books and records, (x) record a decrease in the principal amount of the Offshore Global Note in an amount equal to the beneficial interest therein being transferred, (y) deliver a new U.S. Physical Note to such transferee duly registered in the name of such transferee in principal amount equal to the amount of such decrease and (z) notify the Depositary in accordance with the procedures of the Depositary that it approves of such transfer.

(ii) delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee is or is acting through an Agent Member and requests that the proposed transferee receive a beneficial interest in the U.S. Global Note, then the Note Registrar shall (x) record a decrease in the principal amount of the Offshore Global Note in an amount equal to the beneficial interest therein being transferred, (y) record an increase in the principal amount of the U.S. Global Note equal to the amount of such decrease and (z) notify the Depositary in accordance with the procedures of the Depositary that it approves of such transfer; or

(iii) delivers a Regulation S Certificate and the proposed transferee is or is acting through an Agent Member and requests that the proposed transferee receive a beneficial interest in the Offshore Global Note, then the transfer shall be effected in accordance with the procedures of the Depositary therefor; provided, however, that until the Offshore Note Exchange Date occurs, beneficial interests in the Offshore Global Note may be held only in or through accounts maintained at the Depositary by Euroclear or Cedel (or by Agent Members acting for the account thereof), and no person shall be entitled to effect any transfer or exchange

that would result in any such interest being held otherwise than in or through such an account.

2) If the proposed transfer occurs on or after the Offshore Note Exchange Date and the proposed transferor holds:

(A) a U.S. Physical Note which is surrendered to the Note Registrar, and the proposed transferee or transferor, as applicable:

(i) delivers an Accredited Investor Certificate and, if required by the Company, a Non-Registration Opinion and Supporting Evidence, or delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee requests delivery in the form of a U.S. Physical Note, then the procedures set forth in Section 307(e)(1)(A)(i) shall apply.

30

(ii) delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee is or is acting through an Agent Member and requests that the proposed transferee receive a beneficial interest in the Offshore Global Note, then the procedures set forth in Section 307(e)(1)(A)(ii) shall apply; or

(iii) delivers a Regulation S Certificate, then the Note Registrar shall cancel such surrendered U.S. Physical Note and at the direction of the transferee, either:

(x) register such transfer in the name of such transferee, record the date thereof in its books and records and deliver a new Offshore Physical Note to such transferee in principal amount equal to the principal amount being transferred of such surrendered U.S. Physical Note, or

(y) if the proposed transferee is or is acting through an Agent Member, record an increase in the principal amount of the Offshore Global Note equal to the principal amount being transferred of such surrendered U.S. Physical Note and notify the Depositary in accordance with the procedures of the Depositary that it approves of such transfer.

In any of the cases described in this Section 307(e)(2)(A)(i), (ii) or (iii)(x), the Note Registrar shall deliver to the transferor a new U.S. Physical Note in principal amount equal to the principal amount not being transferred of such surrendered U.S. Physical Note, as applicable.

(B) an interest in the U.S. Global Note, and the proposed transferee or transferor, as applicable:

(i) delivers an Accredited Investor Certificate and, if required by the Company, a Non-Registration Opinion and Supporting Evidence, or delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee requests delivery in the form of a U.S. Physical Note, then the procedures set forth in Section 307(e)(1)(A)(i) shall apply; or

(ii) delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee is or is acting through an Agent Member and requests that the proposed transferee receive a beneficial interest in the U.S. Global Note, then the procedures set forth in Section 307(e)(1)(B)(ii) shall apply; or

(iii) delivers a Regulation S Certificate, then the Note

Registrar shall (x) record a decrease in the principal amount of the U.S. Global Note in an amount equal to the beneficial interest therein being transferred, (y) notify the Depositary in accordance with the procedures of the Depositary that it approves of such transfer and (z) at the direction of the transferee, either:

(x) register such transfer in the name of such transferee, record the date thereof in its books and records and deliver a new Offshore Physical Note to such transferee in principal amount equal to the amount of such decrease, or

31

(y) if the proposed transferee is or is acting through an Agent Member, record an increase in the principal amount of the Offshore Global Note equal to the amount of such decrease.

(C) an Offshore Physical Note which is surrendered to the Note Registrar, and the proposed transferee or transferor or, as applicable:

(i) delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee is or is acting through an Agent Member and requests delivery in the form of the U.S. Global Note, then the Note Registrar shall (x) cancel such surrendered Offshore Physical Note, (y) record an increase in the principal amount of the U.S. Global Note equal to the principal amount being transferred of such surrendered Offshore Physical Note and (z) notify the Depositary in accordance with the procedures of the Depositary that it approves of such transfer;

(ii) where the proposed transferee is or is acting through an Agent Member, requests that the proposed transferee receive a beneficial interest in the Offshore Global Note, then the Note Registrar shall (x) cancel such surrendered Offshore Physical Note, (y) record an increase in the principal amount of the Offshore Global Note equal to the principal amount being transferred of such surrendered Offshore Physical Note and (z) notify the Depositary in accordance with the procedures of the Depositary that it approves of such transfer; or

(iii) does not make a request covered by Section 307(e)(2)(C)(i) or Section 307(e)(2)(C)(ii), then the Note Registrar shall (x) register such transfer in the name of such transferee and record the date thereof in its books and records, (y) cancel such surrendered Offshore Physical Note and (z) deliver a new Offshore Physical Note to such transferee duly registered in the name of such transferee in principal amount equal to the principal amount being transferred of such surrendered Offshore Physical Note.

In any of the cases described in this Section 307(e)(2)(C), the Note Registrar shall deliver to the transferor a new U.S. Physical Note in principal amount equal to the principal amount not being transferred of such surrendered U.S. Physical Note, as applicable.

(D) an interest in the Offshore Global Note, and the proposed transferee or transferor, as applicable:

(i) delivers (or is deemed to have delivered pursuant to clause (d) above) a Rule 144A Certificate and the proposed transferee is or is acting through an Agent Member and requests delivery in the form of the U.S. Global Note, then the Note Registrar shall (x) record a decrease in the principal amount of the Offshore Global Note in an amount equal to the beneficial interest therein being transferred,

(y) record an increase in the principal amount of the U.S. Global Note equal to the amount of such decrease and (z) notify the Depositary in accordance with the procedures of the Depositary that it approves of such transfer;

32

(ii) where the proposed transferee is or is acting through an Agent Member, requests that the proposed transferee receive a beneficial interest in the Offshore Global Note, then the transfer shall be effected in accordance with the procedures of the Depositary therefor, or

(iii) does not make a request covered by Section 307(e)(2)(D)(i) or Section 307(e)(2)(D)(ii), then the Note Registrar shall (w) register such transfer in the name of such transferee and record the date thereof in its books and records, (x) record a decrease in the principal amount of the Offshore Global Note in an amount equal to the beneficial interest therein being transferred, (y) deliver a new Offshore Physical Note to such transferee duly registered in the name of such transferee in principal amount equal to the amount of such decrease and (z) notify the Depositary in accordance with the procedures of the Depositary that it approves of such transfer.

(f) Execution, Authentication and Delivery of Physical Notes. In any case in which the Note Registrar is required to deliver a Physical Note to a transferee or transferor, the Company shall execute, and the Trustee shall authenticate and make available for delivery, such Physical Note.

(g) Certain Additional Terms Applicable to Physical Notes. Any transferee entitled to receive a Physical Note may request that the principal amount thereof be evidenced by one or more Physical Notes in any authorized denomination or denominations the Note Registrar shall comply with such request if all other transfer restrictions are satisfied.

(h) Transfers Not Covered by Section 307(e). The Note Registrar shall effect and record, upon receipt of a written request from the Company so to do, a transfer not otherwise permitted by Section 307(e), such recording to be done in accordance with the otherwise applicable provisions of Section 307(e), upon the furnishing by the proposed transferor or transferee of a Non-Registration Opinion and Supporting Evidence.

(i) General. By its acceptance of any Note bearing the Private Placement Legend, each Holder of such Note acknowledges the restrictions on transfer of such Note set forth in this Indenture and in the Private Placement Legend and agrees that it will transfer such Note only as provided in the Indenture. The Note Registrar shall not register a transfer of any Note unless such transfer complies with the restrictions with respect thereto set forth in this Indenture. The Note Registrar shall not be required to determine (but may rely upon a determination made by the Company) the sufficiency or accuracy of any such certifications, legal opinions, other information or document.

(j) Private Placement Legend. Upon the transfer, exchange or replacement of Notes not bearing the Private Placement Legend, the Note Registrar shall deliver Notes that do not bear the Private Placement Legend. Upon the transfer, exchange or replacement of Notes bearing the Private Placement Legend, the Note Registrar shall deliver only Notes that bear the Private Placement Legend unless (i) the circumstances exist contemplated by the fourth paragraph of Section 201 (with respect to an Offshore Physical Note) or the requested transfer is at least two years after the original issue date of the Initial Note (with respect to any Physical Note), (ii) there is delivered to the Note Registrar an Opinion of Counsel reasonably satisfactory to the Company and the Trustee to the effect that neither such legend nor the related restrictions on transfer

are required in order to maintain compliance with the provisions of the Act or (iii) such Notes are exchanged for Exchange Notes pursuant to an Exchange Offer.

SECTION 308. Mutilated, Destroyed, Lost and Stolen Notes.

33

If (i) any mutilated Note is surrendered to the Trustee, or (ii) the Company and the Trustee receive evidence to their satisfaction of the destruction, loss or theft of any Note, and there is delivered to the Company and the Trustee such security or indemnity as may be required by them to save each of them harmless, then, in the absence of written notice to the Company or the Trustee that such Note has been acquired by a bona fide purchaser, the Company shall execute and upon Company Order the Trustee shall authenticate and deliver, in exchange for any such mutilated Note or in lieu of any such destroyed, lost or stolen Note, a new Note of like tenor and principal amount, bearing a number not contemporaneously outstanding.

In case any such mutilated, destroyed, lost or stolen Note has become or is about to become due and payable, the Company in its discretion may, instead of issuing a new Note, pay such Note.

Upon the issuance of any new Note under this Section 308, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in relation thereto and shall require the payment of a sum sufficient to pay any other expenses (including the fees and expenses of the Trustee) connected therewith.

Every new Note issued pursuant to this Section 308 in lieu of any mutilated, destroyed, lost or stolen Note shall constitute an original additional contractual obligation of the Company, whether or not the mutilated, destroyed, lost or stolen Note shall be at any time enforceable by anyone, and shall be entitled to all benefits of this Indenture equally and proportionately with any and all other Notes duly issued hereunder.

The provisions of this Section 308 are exclusive and shall preclude (to the extent lawful) all other rights and remedies with respect to the replacement or payment of mutilated, destroyed, lost or stolen Notes.

SECTION 309. Payment of Interest; Interest Rights Preserved.

Interest on any Note which is payable, and is punctually paid or duly provided for, on any Interest Payment Date shall be paid to the Person in whose name such Note (or one or more Predecessor Notes) is registered at the close of business on the Regular Record Date for such interest at the office or agency of the Company maintained for such purpose pursuant to Section 1002; provided, however, that each installment of interest may at the Company's option be paid by (i) mailing a check for such interest, payable to or upon the written order of the Person entitled thereto pursuant to Section 310, to the address of such Person as it appears in the Note Register or (ii) transferring the interest payment to an account located in the United States maintained by the payee.

Any interest on any Note which is payable, but is not punctually paid or duly provided for, on any Interest Payment Date shall forthwith cease to be payable to the Holder on the Regular Record Date by virtue of having been such Holder, and such defaulted interest and (to the extent lawful) interest on such defaulted interest at the rate borne by the Notes (such defaulted interest and interest thereon herein collectively called "Defaulted Interest") may be paid by the Company, at its election in each case, as provided in clause (1) or (2) below:

(1 The Company may elect to make payment of any Defaulted Interest to the Persons in whose names the Notes (or their respective Predecessor Notes) are registered at the close of business on a Special Record Date for the payment of such Defaulted Interest, which shall be fixed in the following manner. The Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each Note and the date of the proposed payment, and at the same time the Company shall deposit with the Trustee an amount of money equal to the aggregate amount proposed to be paid in respect of such Defaulted Interest or shall make arrangements satisfactory to the Trustee for such deposit prior to the date of the proposed payment, such money when deposited to be held in

trust for the benefit of the Persons entitled to such Defaulted Interest as in this clause provided. Thereupon the Company, with the written consent of the Trustee, shall fix a Special Record Date for the payment of such Defaulted Interest which shall be not more than 15 days

34

and not less than 10 days prior to the date of the proposed payment and not less than 10 days after the receipt by the Trustee of the notice of the proposed payment. The Trustee, in the name and at the expense of the Company, shall cause notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor to be given in the manner provided for in Section 106, not less than 10 days prior to such Special Record Date. Notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor having been so given, such Defaulted Interest shall be paid to the Persons in whose names the Notes (or their respective Predecessor Notes) are registered at the close of business on such Special Record Date and shall no longer be payable pursuant to the following clause (2).

(2 The Company may make payment of any Defaulted Interest in any other lawful manner not inconsistent with the requirements of any securities exchange on which the Notes may be listed, and upon such notice as may be required by such exchange, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this clause, such manner of payment shall be deemed practicable by the Trustee.

Subject to the foregoing provisions of this Section, each Note delivered under this Indenture upon registration of transfer of or in exchange for or in lieu of any other Note shall carry the rights to interest accrued and unpaid, and to accrue, which were carried by such other Note.

SECTION 310. Persons Deemed Owners.

Prior to the due presentment of a Note for registration of transfer, the Company, the Trustee and any agent of the Company or the Trustee may treat the Person in whose name such Note is registered as the owner of such Note for the purpose of receiving payment of principal of (and premium, if any) and (subject to Sections 305 and 309) interest on such Note and for all other purposes whatsoever, whether or not such Note be overdue, and none of the Company, the Trustee or any agent of the Company or the Trustee shall be affected by notice to the contrary.

SECTION 311. Cancellation.

All Notes surrendered for payment, redemption, registration of transfer or exchange shall, if surrendered to any Person other than the Trustee, be delivered to, and promptly cancelled by, the Trustee. The Company may at any time deliver to the Trustee for cancellation any Notes previously authenticated and delivered hereunder which the Company may have acquired in any manner whatsoever, and may deliver to the Trustee (or to any other Person for delivery to the Trustee) for cancellation any Notes previously authenticated hereunder which the Company has not issued and sold, and all Notes so delivered shall be promptly cancelled by the Trustee. If the Company shall so acquire any of the Notes, however, such acquisition shall not operate as a redemption or satisfaction of the indebtedness represented by such Notes unless and until the same are surrendered to the Trustee for cancellation. No Notes shall be authenticated in lieu of or in exchange for any Notes cancelled as provided in this Section, except as expressly permitted by this Indenture. All cancelled Notes held by the Trustee shall be disposed of by the Trustee in accordance with its customary procedures and certification of their disposal delivered to the Company unless by Company Order the Company shall direct that cancelled Notes be returned to it after being appropriately designated as cancelled.

SECTION 312. Computation of Interest.

Interest on the Notes shall be computed on the basis of a 360-day year of twelve 30-day months.

SECTION 313. CUSIP Numbers.

The Company in issuing the Notes may use "CUSIP" numbers (if then generally in use), and, if so, the Trustee shall use "CUSIP" numbers in notices

of redemption or other notices to Holders as a convenience to Holders; provided that any such notice may state that no representation is made as to the correctness of such numbers either as printed on the Notes or as contained in the notice of redemption and that reliance may be placed only on the other

35

identification numbers and other identifying information printed on the Notes, and any such redemption shall not be affected by any defect in or omission of such numbers. The Company will promptly notify the Trustee of any change in the CUSIP numbers.

In the event that the Company shall issue and the Trustee shall authenticate any Additional Notes pursuant to this Indenture, the Company shall use its best efforts to obtain the same CUSIP number for such Additional Notes as is printed on the Notes outstanding at such time; provided, however, that if any series of Additional Notes is determined, pursuant to an Opinion of Counsel, to be a different class of security than the Notes outstanding at such time for federal income tax purposes, the Company may obtain a CUSIP number for such series of Additional Notes that is different from the CUSIP number printed on the Notes then outstanding, in which event such Additional Notes shall be deemed to be a different series from the Notes issued on the date hereof.

ARTICLE FOUR

SATISFACTION AND DISCHARGE

SECTION 401. Satisfaction and Discharge of Indenture.

This Indenture shall upon Company Request cease to be of further effect (except as to surviving rights of registration of transfer or exchange of Notes expressly provided for herein or pursuant hereto) and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging satisfaction and discharge of this Indenture when

(1 either

(a all Notes theretofore authenticated and delivered (other than (i) Notes which have been destroyed, lost or stolen and which have been replaced or paid as provided in Section 308 and (ii) Notes for whose payment money has theretofore been deposited in trust with the Trustee or any Paying Agent or segregated and held in trust by the Company and thereafter repaid to the Company or discharged from such trust, as provided in Section 1003) have been delivered to the Trustee for cancellation; or

(b all such Notes not theretofore delivered to the Trustee for cancellation

(i) have become due and payable, or

(ii) will become due and payable at their Stated Maturity within one year, or

(iii) are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Company,

and the Company, in the case of (i), (ii) or (iii) above, has irrevocably deposited or caused to be deposited with the Trustee as trust funds in trust for such purpose an amount sufficient to pay and discharge the entire indebtedness on such Notes not theretofore delivered to the Trustee for cancellation, for principal (and premium, if any) and interest and Liquidated Damages, if any, to the date of such deposit (in the case of Notes which have become due and payable) or to the Stated Maturity or Redemption Date, as the case may be, together with irrevocable instructions from the Company directing the Trustee to apply such funds to the payment thereof at Stated Maturity or redemption, as the case may be;

36

(2) the Company has paid or caused to be paid all other sums payable hereunder by the Company; and

(3) the Company has delivered to the Trustee an Officer's Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of this Indenture have been complied with.

Notwithstanding the satisfaction and discharge of this Indenture, the obligations of the Company to the Trustee under Section 606 and, if money shall have been deposited with the Trustee pursuant to subclause (b) of clause (1) of this Section, the obligations of the Trustee under Section 402 and the last paragraph of Section 1003 shall survive.

SECTION 402. Application of Trust Money.

On or prior to the effective date of this Indenture, the Trustee shall establish a segregated, non-interest bearing corporate trust account (the "Payment Account") maintained by the Trustee for the benefit of the Holders in which all amounts paid to the Trustee for the benefit of the Holders in respect of the Notes will be held and from which the Trustee (if the Trustee is the Paying Agent) shall make payments to the Holders in accordance with this Indenture and the Notes. Subject to the provisions of the last paragraph of Section 1003, all money deposited with the Trustee pursuant to Section 401 and otherwise pursuant to this Indenture shall be held in trust and applied by it, in accordance with the provisions of the Notes and this Indenture, to the payment, either directly or through any Paying Agent (including the Company acting as its own Paying Agent) as the Trustee may determine, to the Persons entitled thereto, of the principal (and premium, if any) and interest for whose payment such money has been deposited with the Trustee.

ARTICLE FIVE

REMEDIES

SECTION 501. Events of Default.

"Event of Default", wherever used herein, means any one of the following events (whatever the reason for such Event of Default and whether it shall be voluntary or involuntary or be effected by operation of law or pursuant to any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body):

(1) default in the payment of interest or Liquidated Damages, if any, on any Note when due and payable and continuance of such default for a period of 30 days; or

(2) default in the payment of principal of (or premium, if any, on) any Note at its Stated Maturity, upon acceleration, redemption or otherwise; or

(3) default in the payment of principal or interest or Liquidated Damages, if any, on any Note required to be purchased pursuant to an Excess Proceeds Offer as set forth in Section 1017 or pursuant to a Change of Control Offer as set forth in Section 1010; or

(4) failure to perform or comply with the provisions in Section 801;
or

(5) default in the performance or breach of any covenant or agreement of the Company in this Indenture or under the Notes (other than a default in the performance, or breach, of a covenant or agreement

which is specifically dealt with elsewhere in this Section), and continuance of such default or breach for a period of 30 consecutive days after there has been given, by registered or certified mail, to the Company by the Trustee or to the Company and the Trustee by the Holders of at least 25% in principal amount of the Outstanding Notes a written notice specifying such default or breach and requiring it to be remedied and

stating that such notice is a "Notice of Default" hereunder; or

(6 there occurs with respect to any issue or issues of Indebtedness of the Company or any Restricted Subsidiary having an outstanding principal amount of \$10.0 million or more in the aggregate for all such issues of all such Persons, whether such Indebtedness now exists or shall hereafter be created, (I) an event of default that has caused the holder thereof to declare such Indebtedness to be due and payable prior to its Stated Maturity and such Indebtedness has not been discharged in full or such acceleration has not been rescinded or annulled by the earlier of (x) the expiration of any applicable grace period or (y) the thirtieth day after such default and/or (II) the failure to make a principal payment at the final (but not any interim) fixed maturity and such defaulted payment shall not have been made, waived or extended by the earlier of (x) the expiration of any applicable grace period or (y) the thirtieth day after such default; or

(7 any final judgment or order (not covered by insurance) for the payment of money in excess of \$10.0 million in the aggregate for all such final judgments or orders (treating any deductibles, self-insurance or retention as not so covered) shall be rendered against the Company or any Restricted Subsidiary and shall not be paid or discharged, and there shall be any period of 30 consecutive days following entry of the final judgment or order that causes the aggregate amount for all such final judgments or orders outstanding and not paid or discharged against all such Persons to exceed \$10.0 million during which a stay of enforcement of such final judgment or order, by reason of a pending appeal or otherwise, shall not be in effect; or

(8 a court having jurisdiction in the premises enters a decree or order for (A) relief in respect of the Company or any of its Significant Subsidiaries in an involuntary case under any applicable bankruptcy, insolvency or other similar law now or hereafter in effect, (B) appointment of a receiver, liquidator, assignee, custodian, trustee, sequestrator or similar official of the Company or any of its Significant Subsidiaries or for all or substantially all of the property and assets of the Company or any of its Significant Subsidiaries or (C) the winding up or liquidation of the affairs of the Company or any of its Significant Subsidiaries and, in each case, such decree or order shall remain unstayed and in effect for a period of 30 consecutive days; or

(9 the Company or any of its Significant Subsidiaries (A) commences a voluntary case under any applicable bankruptcy, insolvency or other similar law now or hereafter in effect, or consents to the entry of an order for relief in an involuntary case under any such law, (B) consents to the appointment of or taking possession by a receiver, liquidator, assignee, custodian, trustee, sequestrator or similar official of the Company or any of its Significant Subsidiaries or for all or substantially all of the property and assets of the Company or any of its Significant Subsidiaries or (C) effects any general assignment for the benefit of creditors.

SECTION 502. Acceleration of Maturity; Rescission and Annulment.

If an Event of Default (other than an Event of Default specified in Section 501(8) or 501(9)) occurs and is continuing, then and in every such case the Trustee or the Holders of not less than 25% in principal amount of the Notes Outstanding may, and the Trustee at the request of such Holders shall, declare the principal of, premium, if any, and accrued but unpaid interest and Liquidated Damages, if any, on all the Notes to be due and payable immediately, by a notice in writing to the Company (and to the Trustee if given by Holders), and upon any such declaration of acceleration, such principal of, premium, if any, and accrued interest and Liquidated Damages, if any, shall become immediately due and payable. If an Event of Default specified in Section 501(8) or 501(9) occurs, then the principal amount of, premium, if any, and accrued interest and Liquidated Damages, if any, on the Notes then Outstanding shall ipso facto become and be immediately due and payable without any declaration or other act on the part of the Trustee or any Holder.

At any time after a declaration of acceleration has been made, the Holders of a majority in principal amount of the Notes Outstanding, by

written notice to the Company and the Trustee, may waive all past defaults and rescind and annul such declaration and its consequences if

(1 the Company has paid or deposited with the Trustee a sum sufficient to pay,

(A) all overdue interest and Liquidated Damages on all Outstanding Notes,

(B) all unpaid principal of (and premium, if any, on) any Outstanding Notes which has become due otherwise than by such declaration of acceleration, and interest on such unpaid principal at the rate borne by the Notes,

(C) to the extent that payment of such interest is lawful, interest on overdue interest at the rate borne by the Notes, and

(D) all sums paid or advanced by the Trustee hereunder and the reasonable compensation, fees, expenses, disbursements and advances of the Trustee, its agents and counsel and any amounts due the Trustee under Section 606;

(2 all Events of Default, other than the non-payment of amounts of principal of (or premium, if any, on) and accrued and unpaid interest and Liquidated Damages, if any, on the Notes which have become due solely by such declaration of acceleration, have been cured or waived as provided in Section 513; and

(3 the rescission, in the Opinion of Counsel, would not conflict with any judgment or decree of a court of competent jurisdiction.

No such rescission shall affect any subsequent default or impair any right consequent thereon.

Notwithstanding the preceding paragraph, in the event of a declaration of acceleration in respect of the Notes because of an Event of Default specified in Section 501(6) shall have occurred and be continuing, such declaration of acceleration shall be automatically rescinded annulled if the Indebtedness that is the subject of such Event of Default has been discharged or the holders thereof have rescinded their declaration of acceleration in respect of such Indebtedness, and written notice of such discharge or rescission, as the case may be, shall have been given to the Trustee by the Company and countersigned by the holders of such Indebtedness or a trustee, fiduciary or agent for such holders, within 60 days after such declaration of acceleration in respect of the Notes, and no other Event of Default has occurred during such 60-day period which has not been cured or waived during such period.

SECTION 503. Collection of Indebtedness and Suits for Enforcement by Trustee.

The Company covenants that if

(a default is made in the payment of any installment of interest and Liquidated Damages, if any, on any Note when such interest becomes due and payable and such default continues for a period of 30 days, or

(b default is made in the payment of the principal of (or premium, if any, on) any Note at the Maturity thereof,

the Company will pay to the Trustee for the benefit of the Holders of such Notes, the whole amount then due and payable on such Notes for principal (and premium and Liquidated Damages, if any) and interest, and interest on any overdue principal (and premium, if any) and, to the extent that payment of such interest shall be legally enforceable, upon any overdue installment of interest and Liquidated Damages, if any, at the rate borne by the Notes, and, in addition

39

thereto, such further amount as shall be sufficient to cover the costs and expenses of collection, including the reasonable compensation, fees expenses, disbursements and advances of the Trustee, its agents and counsel and any amounts due the Trustee under Section 606.

If the Company fails to pay such amounts forthwith upon such demand, the Trustee, in its own name as trustee of an express trust, may institute a judicial proceeding for the collection of the sums so due and unpaid, may prosecute such proceeding to judgment or final decree and may enforce the same against the Company or any other obligor upon the Notes and collect the moneys adjudged or decreed to be payable in the manner provided by law out of the property of the Company or any other obligor upon the Notes, wherever situated.

If an Event of Default occurs and is continuing, the Trustee may in its discretion proceed to protect and enforce its rights and the rights of the Holders by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any such rights, whether for the specific enforcement of any covenant or agreement in this Indenture or in aid of the exercise of any power granted herein, or to enforce any other proper remedy.

SECTION 504. Trustee May File Proofs of Claim.

In case of the pendency of any receivership, insolvency, liquidation, bankruptcy, reorganization, arrangement, adjustment, composition or other judicial proceeding relative to the Company or any other obligor upon the Notes or the property of the Company or of such other obligor or their creditors, the Trustee (irrespective of whether the principal of the Notes shall then be due and payable as therein expressed or by declaration or otherwise and irrespective of whether the Trustee shall have made any demand on the Company for the payment of overdue principal, premium, if any, interest or Liquidated Damages, if any) shall be entitled and empowered, by intervention in such proceeding or otherwise,

(i) to file and prove a claim for the whole amount of principal (and premium and Liquidated Damages, if any) and interest owing and unpaid in respect of the Notes and to file such other papers or documents as may be necessary or advisable in order to have the claims of the Trustee (including any claim for the reasonable compensation, fees, expenses, disbursements and advances of the Trustee, its agents and counsel and any amounts due the Trustee under Section 606) and of the Holders allowed in such judicial proceeding, and

(ii) to collect and receive any moneys or other property payable or deliverable on any such claims and to distribute the same;

and any custodian, receiver, assignee, trustee, liquidator, sequestrator or similar official in any such judicial proceeding is hereby authorized by each Holder to make such payments to the Trustee and, in the event that the Trustee shall consent to the making of such payments directly to the Holders, to pay the Trustee any amount due it for the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel, and any other amounts due the Trustee under Section 606.

Nothing herein contained shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Holder any plan of reorganization, arrangement, adjustment or composition affecting the Notes or the rights of any Holder thereof, or to authorize the Trustee to vote in respect of the claim of any Holder in any such proceeding.

SECTION 505. Trustee May Enforce Claims Without Possession of Notes.

All rights of action and claims under this Indenture or the Notes may be prosecuted and enforced by the Trustee without the possession of any of the Notes or the production thereof in any proceeding relating thereto, and any such proceeding instituted by the Trustee shall be brought in its own name and as trustee of an express trust, and any recovery of judgment shall, after provision for the payment of the reasonable compensation, fees, expenses,

40

disbursements and advances of the Trustee, its agents and counsel, be for the ratable benefit of the Holders of the Notes in respect of which such judgment has been recovered.

SECTION 506. Application of Money Collected.

Any money collected by the Trustee pursuant to this Article shall be applied in the following order, at the date or dates fixed by the Trustee and,

in case of the distribution of such money on account of principal (or premium, if any, or Liquidated Damages, if any) or interest, upon presentation of the Notes and the notation thereon of the payment if only partially paid and upon surrender thereof if fully paid:

FIRST: To the payment of all amounts due the Trustee under Section 606;

SECOND: To the payment of the amounts then due and unpaid for principal of (and premium and Liquidated Damages, if any) and interest on the Notes in respect of which or for the benefit of which such money has been collected, ratably, without preference or priority of any kind, according to the amounts due and payable on such Notes for principal (and premium and Liquidated Damages, if any) and interest, respectively; and

THIRD: The balance, if any, to the Person or Persons entitled thereto.

SECTION 507. Limitation on Suits.

Except to enforce the right to receive payment of principal or, premium, if any, or interest or Liquidated Damages, if any, when due, no Holder of any Notes shall have any right to institute any proceeding, judicial or otherwise, with respect to this Indenture, or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless:

(1 such Holder has previously given written notice to the Trustee of a continuing Event of Default;

(2 such Holders of at least 25% in aggregate principal amount of outstanding Notes make a written request to the Trustee to pursue the remedy;

(3 such Holder or Holders offer the Trustee indemnity satisfactory to the Trustee against any costs, liability or expense;

(4 the Trustee does not comply with the request within 60 days after receipt of the request and the offer of indemnity; and

(5 during such 60-day period, the Holders of a majority in aggregate principal amount of the Outstanding Notes do not give the Trustee a direction that is inconsistent with the request;

it being understood and intended that no one or more Holders shall have any right in any manner whatever by virtue of, or by availing of, any provision of this Indenture to affect, disturb or prejudice the rights of any other Holders, or to obtain or to seek to obtain priority or preference over any other Holders or to enforce any right under this Indenture, except in the manner herein provided and for the equal and ratable benefit of all the Holders.

SECTION 508. Unconditional Right of Holders to Receive Principal, Premium and Interest.

Notwithstanding any other provision in this Indenture, the Holder of any Note shall have the right, which is absolute and unconditional, to receive payment, as provided herein (including, if applicable, Article Thirteen) and in such Note of the principal of (and premium and Liquidated Damages, if any) and (subject to Section 309) interest

41

on such Note on the respective Stated Maturities expressed in such Note (or, in the case of redemption, on the Redemption Date) and to institute suit for the enforcement of any such payment, and such rights shall not be impaired without the consent of such Holder.

SECTION 509. Restoration of Rights and Remedies.

If the Trustee or any Holder has instituted any proceeding to enforce any right or remedy under this Indenture and such proceeding has been discontinued or abandoned for any reason, or has been determined adversely to the Trustee or to such Holder, then and in every such case, subject to any determination in such proceeding, the Company, the Trustee and the Holders shall

be restored severally and respectively to their former positions hereunder and thereafter all rights and remedies of the Trustee and the Holders shall continue as though no such proceeding had been instituted.

SECTION 510. Rights and Remedies Cumulative.

Except as otherwise provided with respect to the replacement or payment of mutilated, destroyed, lost or stolen Notes in the last paragraph of Section 308, no right or remedy herein conferred upon or reserved to the Trustee or to the Holders is intended to be exclusive of any other right or remedy, and every right and remedy shall, to the extent permitted by law, be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other appropriate right or remedy.

SECTION 511. Delay or Omission Not Waiver.

No delay or omission of the Trustee or of any Holder of any Note to exercise any right or remedy accruing upon any Event of Default shall impair any such right or remedy or constitute a waiver of any such Event of Default or an acquiescence therein. Every right and remedy given by this Article or by law to the Trustee or to the Holders may be exercised from time to time, and as often as may be deemed expedient, by the Trustee or by the Holders, as the case may be.

SECTION 512. Control by Holders.

The Holders of not less than a majority in principal amount of the Outstanding Notes shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred on the Trustee, provided that

(1) such direction shall not be in conflict with any rule of law or with this Indenture,

42

(2) the Trustee may take any other action deemed proper by the Trustee which is not inconsistent with such direction, and

(3) the Trustee need not take any action which might involve it in personal liability or which, in the good faith determination of the Trustee, may be unjustly prejudicial to the Holders not consenting.

SECTION 513. Waiver of Past Defaults.

The Holders of not less than a majority in principal amount of the Outstanding Notes may on behalf of the Holders of all the Notes waive any past default hereunder and its consequences, except a default

(1) in respect of the payment of the principal of (or premium or Liquidated Damages, if any) or interest on any Note, or

(2) in respect of a covenant or provision hereof which under Article Nine cannot be modified or amended without the consent of the Holder of each Outstanding Note affected.

Upon any such waiver, such default shall cease to exist, and any Event of Default arising therefrom shall be deemed to have been cured, for every purpose of this Indenture; but no such waiver shall extend to any subsequent or other default or Event of Default or impair any right consequent thereon.

SECTION 514. Waiver of Stay or Extension Laws.

The Company covenants (to the extent that it may lawfully do so) that it will not at any time insist upon, or plead, or in any manner whatsoever claim or take the benefit or advantage of, any stay or extension law wherever enacted, now or at any time hereafter in force, which may affect the covenants or the performance of this Indenture; and the Company (to the extent that it may lawfully do so) hereby expressly waives all benefit or advantage of any such law and covenants that it will not hinder, delay or impede the execution of any power herein granted to the Trustee, but will suffer and permit the execution of

every such power as though no such law had been enacted.

ARTICLE SIX

THE TRUSTEE

SECTION 601. Notice of Defaults.

Within 90 days after the occurrence of any Default hereunder, the Trustee shall transmit in the manner and to the extent provided in TIA Section 313(c), notice of such Default hereunder actually known to the corporate trust officer having responsibility for the administration of this Indenture on behalf of the Trustee, unless such Default shall have been cured or waived; provided, however, that, except in the case of a Default in the payment of the principal of (or premium, if any) or interest on any Note, the Trustee shall be protected in withholding such notice if and so long as the board of directors, the executive committee or a trust committee of directors and/or Responsible Officers of the Trustee in good faith determines that the withholding of such notice is in the interest of the Holders; and provided further that in the case of any Default of the character specified in Section 501(6), no such notice to Holders shall be given until at least 30 days after the corporate trust officer having responsibility for the administration of this Indenture on behalf of Trustee has actual knowledge of the occurrence thereof.

In case an Event of Default has occurred and is continuing, the Trustee shall exercise such of the rights and powers vested in it by this Indenture, and use the same degree of care and skill in their exercise, as a prudent person would exercise or use under the circumstances in the conduct of his or her own affairs.

SECTION 602. Certain Rights of Trustee.

Subject to the provisions of TIA Sections 315(a) through 315(d):

(1) the Trustee may rely and shall be protected in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, other evidence of indebtedness or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties;

(2) any request or direction of the Company mentioned herein shall be sufficiently evidenced by a Company Request or Company Order and any resolution of the Board of Directors may be sufficiently evidenced by a Board Resolution;

43

(3) whenever in the administration of this Indenture the Trustee shall deem it desirable that a matter be proved or established prior to taking, suffering or omitting any action hereunder, the Trustee (unless other evidence be herein specifically prescribed) may, in the absence of bad faith on its part, rely upon an Officer's Certificate;

(4) the Trustee may consult with counsel and the written advice of such counsel or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken, suffered or omitted by it hereunder in good faith and in reliance thereon;

(5) the Trustee shall be under no obligation to exercise any of the rights or powers vested in it by this Indenture at the request or direction of any of the Holders pursuant to this Indenture, unless such Holders shall have offered to the Trustee reasonable security or indemnity against the costs, expenses and liabilities which might be incurred by it in compliance with such request or direction;

(6) the Trustee shall not be bound to make any investigation into the facts or matters stated in any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, other evidence of indebtedness or other paper or document, but the Trustee, in its discretion, may make such further inquiry or investigation into such facts or matters as it may see fit, and, if the Trustee shall determine to make such further inquiry or

investigation, it shall be entitled to examine the books, records and premises of the Company, personally or by agent or attorney;

(7) the Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys and the Trustee shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder;

(8) the Trustee shall not be liable for any action taken, suffered or omitted by it in good faith and believed by it to be authorized or within the discretion or rights or powers conferred upon it by this Indenture; and

(9) the Trustee shall have no duty to inquire as to the performance of the Company's covenants herein.

The Trustee shall not be required to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties hereunder, or in the exercise of any of its rights or powers if it shall have reasonable grounds for believing that repayment of such funds or adequate indemnity against such risk or liability is not reasonably assured to it.

SECTION 603. Trustee Not Responsible for Recitals or Issuance of Notes.

The recitals contained herein and in the Notes, except for the Trustees certificates of authentication, shall be taken as the statements of the Company, and the Trustee assumes no responsibility for their correctness. The Trustee makes no representations as to the validity or sufficiency of this Indenture or of the Notes, except that the Trustee represents that it is duly authorized to execute and deliver this Indenture, authenticate the Notes and perform its obligations hereunder and that the statements made by it in a Statement of Eligibility on Form T-1 supplied to the Company are true and accurate, subject to the qualifications set forth therein. The Trustee shall not be accountable for the use or application by the Company of Notes or the proceeds thereof.

SECTION 604. May Hold Notes.

44

The Trustee, any Paying Agent, any Note Registrar or any other agent of the Company or of the Trustee, in its individual or any other capacity, may become the owner or pledgee of Notes and, subject to TIA Sections 310(b) and 311, may otherwise deal with the Company with the same rights it would have if it were not Trustee, Paying Agent, Note Registrar or such other agent.

SECTION 605. Money Held in Trust.

Money held by the Trustee in trust hereunder shall be segregated from other funds. The Trustee shall be under no liability for interest on any money received by it hereunder.

SECTION 606. Compensation and Reimbursement.

The Company agrees:

(1) to pay to the Trustee from time to time reasonable compensation for all services rendered by it hereunder (which compensation shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust);

(2) except as otherwise expressly provided herein, to reimburse the Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by the Trustee in accordance with any provision of this Indenture (including the reasonable compensation and the expenses and disbursements of its agents, accountants, experts and counsel), except any such expense, disbursement or advance as may be attributable to its gross negligence or bad faith; and

(3) to indemnify the Trustee and each of its officers, directors, employees, attorneys-in-fact and agents for, and to hold it harmless against, any claim, demand, loss, liability or expense (including but not

limited to reasonable compensation, disbursements and expenses of the Trustee's agents and counsel) incurred without gross negligence or bad faith on its part, arising out of or in connection with the offering and sale of the Notes, or the acceptance or administration of this trust, including the costs and expenses of defending itself against any claim or liability in connection with the exercise or performance of any of its powers or duties hereunder and enforcing this indemnification provision.

The obligations of the Company under this Section to compensate the Trustee, to pay or reimburse the Trustee for expenses, disbursements and advances and to indemnify and hold harmless the Trustee shall constitute additional indebtedness hereunder and shall survive the satisfaction and discharge of this Indenture. As security for the performance of such obligations of the Company, the Trustee shall have a claim prior to the Notes upon all property and funds held or collected by the Trustee as such, except funds held in trust for the payment of principal of (and premium, if any) or interest on particular Notes.

When the Trustee incurs expenses or renders services in connection with an Event of Default specified in Section 501(8) or (9), the expenses (including the reasonable charges and expenses of its counsel) of and the compensation for such services are intended to constitute expenses of administration under any applicable Federal or State bankruptcy, insolvency or other similar law.

The provisions of this Section shall survive the resignation or removal of the Trustee or the termination of this Indenture.

SECTION 607. Corporate Trustee Required; Eligibility.

There shall be at all times a Trustee hereunder which shall be eligible to act as Trustee under TIA Section 310(a)(1) and shall have a combined capital and surplus of at least \$50,000,000. If such corporation publishes

45

reports of condition at least annually, pursuant to law or to the requirements of Federal, State, territorial or District of Columbia supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such corporation shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. If at any time the Trustee shall cease to be eligible in accordance with the provisions of this Section 607, it shall resign immediately in the manner and with the effect hereinafter specified in this Article.

SECTION 608. Resignation and Removal; Appointment of Successor.

(a) No resignation or removal of the Trustee and no appointment of a successor Trustee pursuant to this Article shall become effective until the acceptance of appointment by the successor Trustee in accordance with the applicable requirements of Section 609.

(b) The Trustee may resign at any time by giving written notice thereof to the Company. If the instrument of acceptance by a successor Trustee required by Section 609 shall not have been delivered to the Trustee within 30 days after the giving of such notice of resignation, the resigning Trustee may petition any court of competent jurisdiction for the appointment of a successor Trustee.

(c) The Trustee may be removed at any time by Act of the Holders of not less than a majority in principal amount of the Outstanding Notes, delivered in writing to the Trustee and to the Company.

(d) If at any time:

(1) the Trustee shall fail to comply with the provisions of TIA Section 310(b) after written request therefor by the Company or by any Holder who has been a bona fide Holder of a Note for at least six months, or

(2) the Trustee shall cease to be eligible under Section 607 and shall fail to resign after written request therefor by the Company or by any Holder who has been a bona fide Holder of a Note for at least six

months, or

(3) the Trustee shall become incapable of acting or shall be adjudged a bankrupt or insolvent or a receiver of the Trustee or of its property shall be appointed or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation,

then, in any such case, (i) the Company, by a Board Resolution, may remove the Trustee, or (ii) subject to TIA Section 315(e), any Holder who has been a bona fide Holder of a Note for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee and the appointment of a successor Trustee.

(e) If the Trustee shall resign, be removed or become incapable of acting, or if a vacancy shall occur in the office of Trustee for any cause, the Company, by a Board Resolution, shall promptly appoint a successor Trustee. If, within one year after such resignation, removal or incapability, or the occurrence of such vacancy, a successor Trustee shall be appointed by Act of the Holders of a majority in principal amount of the Outstanding Notes delivered to the Company and the retiring Trustee, the successor Trustee so appointed shall, forthwith upon its acceptance of such appointment, become the successor Trustee and supersede the successor Trustee appointed by the Company. If no successor Trustee shall have been so appointed by the Company or the Holders and accepted appointment in the manner hereinafter provided, any Holder who has been a bona fide Holder of a Note for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the appointment of a successor Trustee.

46

(f) The Company shall give notice of each resignation and each removal of the Trustee and each appointment of a successor Trustee to the Holders of Notes in the manner provided for in Section 106. Each notice shall include the name of the successor Trustee and the address of its Corporate Trust Office.

SECTION 609. Acceptance of Appointment by Successor.

Every successor Trustee appointed hereunder shall execute, acknowledge and deliver to the Company and to the retiring Trustee an instrument accepting such appointment, and thereupon the resignation or removal of the retiring Trustee shall become effective and such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee; but, on request of the Company or the successor Trustee, such retiring Trustee shall, upon payment of its charges, execute and deliver an instrument transferring to such successor Trustee all the rights, powers and trusts of the retiring Trustee and shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder. Upon request of any such successor Trustee, the Company shall execute any and all instruments for more fully and certainly vesting in and confirming to such successor Trustee all such rights, powers and trusts.

No successor Trustee shall accept its appointment unless at the time of such acceptance such successor Trustee shall be qualified and eligible under this Article.

SECTION 610. Merger, Conversion, Consolidation or Succession to Business.

Any corporation into which the Trustee may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which the Trustee shall be a party, or any corporation succeeding to all or substantially all of the corporate trust business of the Trustee, shall be the successor of the Trustee hereunder, provided such corporation shall be otherwise qualified and eligible under this Article, without the execution or filing of any paper or any further act on the part of any of the parties hereto. In case any Notes shall have been authenticated, but not delivered, by the Trustee then in office, any successor by merger, conversion or consolidation to such authenticating Trustee may adopt such authentication and deliver the Notes so authenticated with the same effect as if such successor Trustee had itself authenticated such Notes. In case at

that time any of the Notes shall not have been authenticated, any successor Trustee may authenticate such Notes either in the name of any predecessor hereunder or in the name of the successor Trustee. In all such cases such certificates shall have the full force and effect which this Indenture provides for the certificate of authentication of the Trustee shall have; provided, however, that the right to adopt the certificate of authentication of any predecessor Trustee or to authenticate Notes in the name of any predecessor Trustee shall apply only to its successor or successors by merger, conversion or consolidation.

ARTICLE SEVEN

HOLDERS LISTS AND REPORTS BY TRUSTEE AND COMPANY

SECTION 701. Disclosure of Names and Addresses of Holders.

Every Holder of Notes, by receiving and holding the same, agrees with the Company and the Trustee that none of the Company or the Trustee or any agent of either of them shall be held accountable by reason of the disclosure of any such information as to the names and addresses of the Holders in accordance with TIA Section 312, regardless of the source from which such information was derived, and that the Trustee shall not be held accountable by reason of mailing any material pursuant to a request made under TIA Section 312(b).

SECTION 702. Reports by Trustee.

47

Within 60 days after May 15 of each year commencing with the first May 15 after the first issuance of Notes, the Trustee shall transmit to the Holders, in the manner and to the extent provided in TIA Section 313(c), a brief report dated as of such May 15 if required by TIA Section 313(a).

SECTION 703. Reports by Company.

The Company shall:

(1) file with the Trustee, within 15 days after the Company is required to file the same with the Commission, copies of the annual reports and of the information, documents and other reports (or copies of such portions of any of the foregoing as the Commission may from time to time by rules and regulations prescribe) which the Company may be required to file with the Commission pursuant to Section 13 or Section 15(d) of the Exchange Act; or, if the Company is not required to file information, documents or reports pursuant to either of said Sections, then it shall file with the Trustee and the Commission, in accordance with rules and regulations prescribed from time to time by the Commission, such of the supplementary and periodic information, documents and reports which may be required pursuant to Section 13 of the Exchange Act in respect of a security listed and registered on a national securities exchange as may be prescribed from time to time in such rules and regulations;

(2) file with the Trustee and the Commission, in accordance with rules and regulations prescribed from time to time by the Commission, such additional information, documents and reports with respect to compliance by the Company with the conditions and covenants of this Indenture as may be required from time to time by such rules and regulations; and

(3) transmit by mail to all Holders, in the manner and to the extent provided in TIA Section 313(c), within 30 days after the filing thereof with the Trustee, such summaries of any information, documents and reports required to be filed by the Company pursuant to paragraphs (1) and (2) of this Section as may be required by rules and regulations prescribed from time to time by the Commission.

ARTICLE EIGHT

CONSOLIDATION, MERGER, CONVEYANCE, TRANSFER OR LEASE

SECTION 801. Company May Consolidate, Etc., Only on Certain Terms.

The Company shall not consolidate with, merge with or into, or sell, convey, transfer, lease or otherwise dispose of all or substantially all of its

property and assets (as an entirety or substantially an entirety in one transaction or a series of related transactions) to, any Person or permit any Person to merge with or into the Company and the Company will not permit any of its Restricted Subsidiaries to enter into any such transaction or series of transactions if such transaction or series of transactions, in the aggregate, would result in the sale, assignment, conveyance, transfer, lease or other disposition of all or substantially all of the properties and assets of the Company or the Company and its Restricted Subsidiaries, taken as a whole, to any other Person or Persons, unless:

(1) either (A), the Company shall be the continuing Person, or (B) the Person (if other than the Company) formed by such consolidation or into which the Company is merged or the Person which acquires by conveyance or transfer, or which leases, the properties and assets of the Company substantially as an entirety (i) shall be a corporation, partnership (in the case of a partnership, together with a corporate co-obligor) or trust organized and validly existing under the laws of the United States of America or any jurisdiction thereof and (ii) shall expressly assume, by a supplemental indenture, executed and delivered to the Trustee, in form satisfactory to the Trustee, all the Company's obligation for the due and punctual payment of

48

the principal of (and premium and Liquidated Damages, if any) and interest on all Notes and the performance and observance of every covenant of the Indenture on the part of the Company to be performed or observed;

(2) immediately after giving effect to such transaction (and treating any Indebtedness which becomes an obligation of the Company or a Restricted Subsidiary in connection with or as a result of such transaction as having been incurred at the time of such transaction), no Default or Event of Default shall have occurred and be continuing;

(3) immediately after giving effect to such transaction on a pro forma basis the Company, or any Person becoming the successor obligor of the Notes, as the case may be, could Incur at least \$1.00 of Indebtedness under paragraph (a) of Section 1011; and

(4) the Company or such Person shall have delivered to the Trustee an Officer's Certificate (attaching the arithmetic computations to demonstrate compliance with clause (3) above) and an Opinion of Counsel, each stating that such consolidation, merger, conveyance, transfer or lease and, if a supplemental indenture is required in connection with such transaction, such supplemental indenture complies with this Article and that all conditions precedent provided for herein relating to such transaction have been complied with; provided, however, that clause (3) above does not apply if, in the good faith determination of the Board of Directors of the Company, whose determination shall be conclusive and evidenced by a Board Resolution, the principal purpose of such transaction is to change the state of incorporation of the Company; and provided further that any such transaction shall not have as one of its purposes the evasion of the foregoing limitations.

SECTION 802. Successor Substituted.

Upon any consolidation of the Company with or merger of the Company with or into any other corporation or any conveyance, transfer or lease of the properties and assets of the Company substantially as an entirety to any Person in accordance with Section 801, the successor Person formed by such consolidation or into which the Company is merged or to which such conveyance, transfer or lease is made shall succeed to, and be substituted for, and may exercise every right and power of, the Company under this Indenture with the same effect as if such successor Person had been named as the Company herein, and in the event of any such conveyance or transfer, the Company (which term shall for this purpose mean the Person named as the "Company" in the first paragraph of this Indenture or any successor Person which shall theretofore become such in the manner described in Section 801), except in the case of a lease, shall be discharged of all obligations and covenants under this Indenture and the Notes and may be dissolved and liquidated.

SECTION 803. Notes to Be Secured in Certain Events.

If, upon any such consolidation of the Company with or merger of the Company into any other corporation, or upon any conveyance, lease or transfer of the property of the Company substantially as an entirety to any other Person, any property or assets of the Company would thereupon become subject to any Lien, then unless such Lien could be created pursuant to Section 1016 without equally and ratably securing the Notes, the Company, prior to or simultaneously with such consolidation, merger, conveyance, lease or transfer, will as to such property or assets, secure the Notes Outstanding (together with, if the Company shall so determine any other Indebtedness of the Company now existing or hereinafter created which is not subordinate in right of payment to the Notes) equally and ratably with (or prior to) the Indebtedness which upon such consolidation, merger, conveyance, lease or transfer is to become secured as to such property or assets by such Lien, or will cause such Notes to be so secured.

49

ARTICLE NINE

SUPPLEMENTAL INDENTURES

SECTION 901. Supplemental Indentures Without Consent of Holders.

Without the consent of any Holders, the Company, when authorized by a Board Resolution, and the Trustee, at any time and from time to time, may enter into one or more indentures supplemental hereto, in form satisfactory to the Trustee, for any of the following purposes:

(1) to evidence the succession of another Person to the Company and the assumption by any such successor of the covenants of the Company contained herein and in the Notes; or

(2) to add to the covenants of the Company for the benefit of the Holders or to surrender any right or power herein conferred upon the Company; or

(3) to add any additional Events of Default; or

(4) to evidence and provide for the acceptance of appointment hereunder by a successor Trustee pursuant to the requirements of Section 609; or

(5) to cure any ambiguity, to correct or supplement any provision herein which may be inconsistent with any other provision herein, or to make any other provisions with respect to matters or questions arising under this Indenture; provided, that such action shall not adversely affect the interests of the Holders in any material respect; or

(6) to secure the Notes pursuant to the requirements of Section 803 or Section 1016 or otherwise, or

(7) to provide for the issuance of Additional Notes; provided that such issuance shall otherwise be in accordance with the terms of the Indenture, including Section 1011.

SECTION 902. Supplemental Indentures with Consent of Holders.

With the consent of the Holders of not less than a majority in aggregate principal amount of the Outstanding Notes, by Act of said Holders delivered to the Company and the Trustee, the Company, when authorized by a Board Resolution, and the Trustee may enter into an indenture or indentures supplemental hereto for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Indenture or of modifying in any manner the rights of the Holders under this Indenture; provided, however, that no such supplemental indenture shall, without the consent of the Holder of each Outstanding Note affected thereby:

(1) change the Stated Maturity of the principal of or any installment of interest on any Note, or reduce the principal amount thereof (or premium or Liquidated Damages, if any) or the rate of interest thereon or change the coin or currency in which any Note or any premium or the interest thereon is payable or extend the time for the payment of interest, or alter the redemption provisions of, any Note, or impair the right of any Holder of the Notes to receive payment of, principal of and interest on such Holder's Notes on or after the due dates therefor or to

institute suit for the enforcement of any payment on or after the Stated Maturity (or, in the case of redemption, on or after the Redemption Date) of any Note, or

(2) reduce the percentage in principal amount of the Outstanding Notes, the consent of whose Holders is required for any such supplemental indenture, or the consent of whose Holders is required for any

50

waiver of compliance with certain provisions of this Indenture or certain defaults hereunder and their consequences provided for in this Indenture, or

(3) waive a default in the payment of principal of (or premium, if any) or accrued and unpaid interest or Liquidated Damages, if any, on the Notes, or

(4) modify any provision of any Guarantees of the Notes in a manner adverse to the Holders, or

(5) modify any of the provisions of this Section or Sections 513 and Section 1022, except to increase any such percentage or to provide that certain other provisions of this Indenture cannot be modified or waived without the consent of the Holder of each Outstanding Note affected thereby.

It shall not be necessary for any Act of Holders under this Section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such Act shall approve the substance thereof.

SECTION 903. Execution of Supplemental Indentures.

In executing, or accepting the additional trusts created by, any supplemental indenture permitted by this Article or the modifications thereby of the trusts created by this Indenture, the Trustee shall be entitled to receive, and shall be fully protected in relying upon, an Opinion of Counsel stating that the execution of such supplemental indenture is authorized or permitted by this Indenture. The Trustee may, but shall not be obligated to, enter into any such supplemental indenture which affects the Trustees own rights, duties or immunities under this Indenture or otherwise.

SECTION 904. Effect of Supplemental Indentures.

Upon the execution of any supplemental indenture under this Article, this Indenture shall be modified in accordance therewith, and such supplemental indenture shall form a part of this Indenture for all purposes; and every Holder of Notes theretofore or thereafter authenticated and delivered hereunder shall be bound thereby.

SECTION 905. Conformity with Trust Indenture Act.

Every supplemental indenture executed pursuant to the Article shall conform to the requirements of the Trust Indenture Act as then in effect.

SECTION 906. Reference in Notes to Supplemental Indentures.

Notes authenticated and delivered after the execution of any supplemental indenture pursuant to this Article may, and shall if required by the Trustee, bear a notation in form approved by the Trustee as to any matter provided for in such supplemental indenture. If the Company shall so determine, new Notes so modified as to conform, in the opinion of the Trustee and the Company, to any such supplemental indenture may be prepared and executed by the Company and upon Company Order authenticated and delivered by the Trustee in exchange for Outstanding Notes.

SECTION 907. Notice of Supplemental Indentures.

Promptly after the execution by the Company and the Trustee of any supplemental indenture pursuant to the provisions of Section 902, the Company shall give notice thereof to the Holders of each Outstanding Note affected, in the manner provided for in Section 106, setting forth in general terms the substance of such supplemental indenture.

COVENANTS

SECTION 1001. Payment of Principal, Premium, if Any, and Interest.

The Company covenants and agrees for the benefit of the Holders that it will duly and punctually pay the principal of (and premium, if any) and interest and Liquidated Damages, if any, on the Notes in accordance with the terms of the Notes and this Indenture.

SECTION 1002. Maintenance of Office or Agency.

The Company will maintain in The City of New York, an office or agency (which may be a drop facility) where Notes may be presented or surrendered for payment, where Notes may be surrendered for registration of transfer or exchange and where notices and demands to or upon the Company in respect of the Notes and this Indenture may be served. The Company will give prompt written notice to the Trustee of any change in the location of any such office or agency. If at any time the Company shall fail to maintain any such required office or agency or shall fail to furnish the Trustee with the address thereof, such presentations, surrenders, notices and demands may be made or served at the Corporate Trust Office of the Trustee, and the Company hereby appoints the Trustee as its agent to receive all such presentations, surrenders, notices and demands.

The Company may also from time to time designate one or more other offices or agencies (in or outside of The City of New York) where the Notes may be presented or surrendered for any or all such purposes and may from time to time rescind any such designation; provided, however, that no such designation or rescission shall in any manner relieve the Company of its obligation to maintain an office or agency in The City of New York for such purposes. The Company will give prompt written notice to the Trustee of any such designation or rescission and any change in the location of any such other office or agency. The Company hereby designates the Trustee, c/o First Union National Bank, 40 Broad Street, Fifth Floor, Suite 550, New York, New York 10004 as such drop facility in compliance with this Section 1002.

SECTION 1003. Money for Note Payments to Be Held in Trust.

If the Company shall at any time act as its own Paying Agent, it will, on or before each due date of the principal of (or premium or Liquidated Damages, if any) or interest on any of the Notes, segregate and hold in trust for the benefit of the Persons entitled thereto a sum sufficient to pay the principal of (or premium or Liquidated Damages, if any) or interest so becoming due until such sums shall be paid to such Persons or otherwise disposed of as herein provided and will promptly notify the Trustee in writing of its action or failure so to act.

Whenever the Company shall have one or more Paying Agents for the Notes, it will, on or before each due date of the principal of (or premium or Liquidated Damages, if any) or interest on any Notes, deposit with a Paying Agent a sum sufficient to pay the principal (and premium and Liquidated Damages, if any) or interest so becoming due, such sum to be held in trust for the benefit of the Persons entitled to such principal, premium, Liquidated Damages or interest, and (unless such Paying Agent is the Trustee) the Company will promptly notify the Trustee in writing of such action or any failure so to act.

The Company will cause each Paying Agent (other than the Trustee) to execute and deliver to the Trustee an instrument in which such Paying Agent shall agree with the Trustee, subject to the provisions of this Section, that such Paying Agent will:

- (1) hold all sums held by it for the payment of the principal of (and premium and Liquidated Damages, if any) or interest on Notes in trust for the benefit of the Persons entitled thereto until such sums shall be paid to such Persons or otherwise disposed of as herein provided;

(2) give the Trustee notice of any default by the Company (or any other obligor upon the Notes) in the making of any payment of principal (and premium and Liquidated Damages, if any) or interest on the Notes; and

(3) at any time during the continuance of any such default, upon the written request of the Trustee, forthwith pay to the Trustee all sums so held in trust by such Paying Agent.

The Company may at any time, for the purpose of obtaining the satisfaction and discharge of this Indenture or for any other purpose, pay, or by Company Order direct any Paying Agent to pay, to the Trustee all sums held in trust by the Company or such Paying Agent, such sums to be held by the Trustee upon the same terms as those upon which such sums were held by the Company or such Paying Agent; and, upon such payment by any Paying Agent to the Trustee, such Paying Agent shall be released from all further liability with respect to such sums.

Any money deposited with the Trustee or any Paying Agent, or then held by the Company, in trust for the payment of the principal of (or premium or Liquidated Damages, if any) or interest on any Note and remaining unclaimed for two years after such principal, premium, Liquidated Damages or interest has become due and payable shall be paid to the Company on Company Request, or (if then held by the Company) shall be discharged from such trust; and the Holder of such Note shall thereafter, as an unsecured general creditor, look only to the Company for payment thereof, and all liability of the Trustee or such Paying Agent with respect to such trust money, and all liability of the Company as trustee thereof, shall thereupon cease; provided, however, that the Trustee or such Paying Agent, before being required to make any such repayment, may at the expense of the Company cause to be published once, in a newspaper published in the English language, customarily published on each Business Day and of general circulation in the Borough of Manhattan, The City of New York, notice that such money remains unclaimed and that, after a date specified therein, which shall not be less than 30 days from the date of such publication, any unclaimed balance of such money then remaining will be repaid to the Company.

SECTION 1004. Corporate Existence.

Subject to Article Eight, the Company will do or cause to be done all things necessary to preserve and keep in full force and effect the corporate existence, rights (charter and statutory) and franchises of the Company and each Subsidiary; provided, however, that the Company shall not be required to preserve any such right or franchise if the Board of Directors shall determine that the preservation thereof is no longer desirable in the conduct of the business of the Company and its Subsidiaries as a whole and that the loss thereof is not disadvantageous in any material respect to the Holders.

SECTION 1005. Payment of Taxes and Other Claims.

The Company will pay or discharge or cause to be paid or discharged, before the same shall become delinquent, (a) all taxes, assessments and governmental charges levied or imposed upon the Company or any Subsidiary or upon the income, profits or property of the Company or any Subsidiary and (b) all lawful claims for labor, materials and supplies, which, if unpaid, might by law become a Lien upon the property of the Company or any Subsidiary; provided, however, that the Company shall not be required to pay or discharge or cause to be paid or discharged any such tax, assessment, charge or claim whose amount, applicability or validity is being contested in good faith by appropriate proceedings.

SECTION 1006. Maintenance of Properties.

The Company will cause all properties owned by the Company or any Subsidiary or used or held for use in the conduct of its business or the business of any Subsidiary to be maintained and kept in good condition, repair and working order and supplied with all necessary equipment and will cause to be made all necessary repairs, renewals, replacements, betterments and improvements thereof, all as in the judgment of the Company may be necessary so that the business carried on in connection therewith may be properly and advantageously conducted at all times; provided, however, that nothing in this Section shall

prevent the Company from discontinuing the maintenance of any of such properties if such discontinuance is, in the judgment of the Company, desirable in the conduct of its business or the business of any Subsidiary and not disadvantageous in any material respect to the Holders.

SECTION 1007. Insurance.

The Company will at all times keep all of its and its Subsidiaries properties which are of an insurable nature insured with insurers, believed by the Company to be responsible, against loss or damage to the extent that property of similar character is usually so insured by corporations similarly situated and owning like properties.

SECTION 1008. Statement by Officers As to Default.

(a) The Company will deliver to the Trustee, within 90 days after the end of each fiscal year, a brief certificate from the principal executive officer, principal financial officer or principal accounting officer as to his or her knowledge of the Company's compliance with all conditions and covenants under this Indenture. For purposes of this Section 1008(a), such compliance shall be determined without regard to any period of grace or requirement of notice under this Indenture.

(b) When any Default has occurred and is continuing under this Indenture, or if the trustee for or the holder of any other evidence of Indebtedness of the Company or any Subsidiary gives any notice or takes any other action with respect to a claimed default (other than with respect to Indebtedness in the principal amount of less than \$1,000,000), the Company shall deliver to the Trustee by registered or certified mail or by telegram, telex or facsimile transmission an Officer's Certificate specifying such event, notice or other action within five Business Days of its occurrence.

(c) When any Registration Default (as defined in the Registration Rights Agreement) occurs, the Company shall promptly deliver to the Trustee by registered or certified mail or by telegram, telex or facsimile transmission an Officer's Certificate specifying the nature of such Registration Default. In addition, the Company shall deliver to the Trustee on each Interest Payment Date during the continuance of a Registration Default and on the Interest Payment Date following the cure of a Registration Default, an Officer's Certificate specifying the amount of Liquidated Damages which have accrued and which are then owing under the Registration Rights Agreement.

SECTION 1009. Provision of Financial Statements.

(a) The Company will file on a timely basis with the Commission, to the extent such filings are accepted by the Commission and whether or not the Company has a class of securities registered under the Exchange Act, the annual reports, quarterly reports and other documents that the Company would be required to file if it were subject to Section 13 or 15 of the Exchange Act. All such annual reports shall include the geographic segment financial information contemplated by Item 101(d) of Regulation S-K under the Securities Act/SFAS 14, and all such quarterly reports shall provide the same type of interim financial information that, as of the date of this Indenture, currently is the Company's practice to provide.

(b) The Company will also be required (i) to file with the Trustee, and provide to each Holder, without cost to such Holder, copies of such reports and documents within 15 days after the date on which the Company files such reports and documents with the Commission or the date on which the Company would be required to file such reports and documents if the Company were so required, and (ii) if filing such reports and documents with the

54

Commission is not accepted by the Commission or is prohibited under the Exchange Act, to supply at the Company's cost copies of such reports and documents to any prospective Holder promptly upon request.

SECTION 1010. Repurchase of Notes upon a Change of Control.

(a) Upon the occurrence of a Change of Control, each Holder shall have the right to require the Company to repurchase all or any part of its Notes at a purchase price in cash pursuant to the offer described below (the "Change

of Control Offer") equal to 101% of the principal amount thereof, plus accrued and unpaid interest and Liquidated Damages, if any, to the date of purchase (subject to the right of holders of record to receive interest on the relevant interest payment date) (the "Change of Control Payment") in accordance with the procedures set forth in paragraphs (c) and (e) of this Section.

(b) [Intentionally Omitted]

(c) Within 30 days following any Change of Control, the Company shall give to each Holder of the Notes and the Trustee in the manner provided in Section 106 a notice stating:

(i) that a Change of Control has occurred, that the Change of Control Offer is being made pursuant to this Section 1010 and that all Notes validly tendered will be accepted for payment;

(ii) the purchase price and the date of purchase (which shall be a Business Day no earlier than 30 days nor later than 60 days from the date such notice is mailed) (the "Change of Control Payment Date");

(iii) that any Note not tendered will continue to accrue interest and Liquidated Damages, if any, pursuant to its terms;

(iv) that, unless the Company defaults in the payment of the Change of Control Payment, any Note accepted for payment pursuant to the Change of Control Offer shall cease to accrue interest and Liquidated Damages, if any, on and after the Change of Control Payment Date;

(v) that Holders electing to have any Note or portion thereof purchased pursuant to the Change of Control Offer will be required to surrender such Note, together with the form entitled "Option of the Holder to Elect Purchase" on the reverse side of such Note completed, to the Paying Agent at the address specified in the notice prior to the close of business on the third Business Day immediately preceding the Change of Control Payment Date;

(vi) that Holders be entitled to withdraw their election if the Paying Agent receives, not later than the close of business on the third Business Day immediately preceding the Change of Control Payment Date, a telegram, telex, facsimile transmission or letter setting forth the name of such Holder, the principal amount of Notes delivered for purchase and a statement that such Holder is withdrawing his election to have such Notes purchased, and

(vii) that Holders whose Notes are being purchased only in part will be issued new Notes equal in principal amount to the unpurchased portion of the Notes surrendered; provided that each Note purchased and each new Note issued shall be in a principal amount of \$1,000 or integral multiples thereof.

(d) [Intentionally Omitted]

(e) On the Change of Control Payment Date, the Company shall:

(i) accept for payment Notes or portions thereof tendered pursuant to the Change of Control Offer;

55

(ii) deposit with the Paying Agent money sufficient to pay the purchase price of all Notes or portions thereof so accepted; and

(iii) deliver, or cause to be delivered, to the Trustee, all Notes or portions thereof so accepted together with an Officer's Certificate specifying the Notes or portions thereof accepted for payment by the Company. The Paying Agent shall promptly mail, to the Holders of Notes so accepted, payment in an amount equal to the purchase price, and the Trustee shall promptly authenticate and mail to such Holders a new Note equal in principal amount of any unpurchased portion of the Notes surrendered; provided that each Note purchased and each new Note issued shall be in a principal amount of \$1,000 or integral multiples thereof. The Company will publicly announce the results of the Change of Control Offer on or as soon as practicable after the Change of Control Payment

Date. For purposes of this Section 1010, the Trustee shall act as Paying Agent.

The Company will comply with Rule 14e-1 under the Exchange Act and any other securities laws and regulations thereunder to the extent such laws and regulations are applicable in the event that a Change of Control occurs and the Company is required to repurchase the Notes under this Section 1010.

SECTION 1011. Limitation on Indebtedness

(a) The Company will not, and will not permit any of its Restricted Subsidiaries to, Incur any Indebtedness (other than the \$200,000,000 of Original Notes); provided, however, that the Company may Incur Indebtedness if immediately thereafter the ratio of (i) the aggregate principal amount (or accreted value, as the case may be) of Indebtedness of the Company and its Restricted Subsidiaries on a consolidated basis outstanding as of the Transaction Date to (ii) the Pro Forma Consolidated Cash Flow for the preceding two full fiscal quarters multiplied by two, determined on a pro forma basis as if any such Indebtedness that had been Incurred and the proceeds thereof had been applied at the beginning of such two fiscal quarters, would be greater than zero and less than 6.0 to 1.

(b) Notwithstanding the foregoing, the Company and (except for Indebtedness under subsections (v), (vii) and (xi) below) any Restricted Subsidiary may Incur each and all of the following:

(i) Indebtedness of the Company or any Restricted Subsidiary under one or more Credit Facilities in an aggregate principal amount at any one time outstanding not to exceed the greater of (a) \$50 million or (b) 65% of Eligible Accounts Receivable, subject to any permanent reductions required by any other terms of the Indenture;

(ii) Indebtedness (including Guarantees) Incurred by the Company or a Restricted Subsidiary after the Closing Date to finance the cost (including the cost of design, development, construction, acquisition, installation or integration) of equipment used in the telecommunications business or ownership rights with respect to infeasible rights of use or minimum investment units (or similar ownership interests) in domestic or transnational fiber optic cable or other transmission facilities, in each case purchased or leased by the Company or a Restricted Subsidiary after the Closing Date (including acquisitions by way of Capitalized Leases and acquisitions of the Capital Stock of a Person that becomes a Restricted Subsidiary to the extent of the Fair Market Value (as determined in good faith by the Board of Directors, whose determination shall be conclusive and evidenced by a Board Resolution) of such equipment, ownership rights or minimum investment units so acquired);

(iii) Indebtedness of any Restricted Subsidiary to the Company or Indebtedness of the Company or any Restricted Subsidiary to any other Restricted Subsidiary; provided that any subsequent issuance or transfer of any Capital Stock which results in any such Restricted Subsidiary ceasing to be a Restricted Subsidiary or any subsequent transfer of such Indebtedness not permitted by this clause (iii) (other than to the Company or another Restricted Subsidiary) shall be deemed, in each case, to constitute the incurrence of such Indebtedness,

56

and provided further that Indebtedness of the Company to a Restricted Subsidiary must be subordinated in right of payment to the Notes;

(iv) Indebtedness of the Company or a Restricted Subsidiary issued in exchange for, or the net proceeds of which are used to refinance or refund, then outstanding Indebtedness of the Company or a Restricted Subsidiary, other than Indebtedness Incurred under clauses (i), (iii), (vi), (viii), (ix) and (xii) of this paragraph, and any refinancings thereof in an amount not to exceed the amount so refinanced or refunded (plus premiums, accrued interest, and reasonable fees and expenses); provided that such new Indebtedness shall only be permitted under this clause (iv) if (A) in case the Notes are refinanced in part or the Indebtedness to be refinanced is pari passu with the Notes, such new Indebtedness, by its terms or by the terms of any agreement or instrument pursuant to which such new Indebtedness is issued or remains outstanding,

is expressly made pari passu with, or subordinate in right of payment to, the remaining Notes, (B) in case the Indebtedness to be refinanced is subordinated in right of payment to the Notes, such new Indebtedness, by its terms or by the terms of any agreement or instrument pursuant to which such new Indebtedness is issued or remains outstanding, is expressly made subordinate in right of payment to the Notes at least to the extent that the Indebtedness to be refinanced is subordinated to the Notes and (C) such new Indebtedness, determined as of the date of Incurrence of such new Indebtedness, does not mature prior to the Stated Maturity of the Indebtedness to be refinanced or refunded, and the Average Life of such new Indebtedness is at least equal to the remaining Average Life of the Indebtedness to be refinanced or refunded; and provided further that in no event may Indebtedness of the Company be refinanced by means of any Indebtedness of any Restricted Subsidiary pursuant to this clause (iv);

(v) Indebtedness of the Company not to exceed, at any one time outstanding, 2.00 times (A) the Net Cash Proceeds received by the Company after May 18, 1998 from the issuance and sale of its Capital Stock (other than Redeemable Stock) to a Person that is not a Subsidiary of the Company, to the extent such Net Cash Proceeds have not been used pursuant to clause (C) (2) of the first paragraph or clauses (iii), (iv) or (vii) of the second paragraph of Section 1012 to make a Restricted Payment and (B) the Fair Market Value (as determined in good faith by the Board of Directors, whose determination shall be conclusive and evidenced by a Board Resolution) of property (other than cash and cash equivalents) used in a Permitted Business or common equity interests in a Person (the property and assets of such Person consisting primarily of telecommunications assets) that becomes a Restricted Subsidiary (such Fair Market Value being that of the common equity interests received pursuant to the transaction resulting in such Person becoming a Restricted Subsidiary), and, in each case, received by the Company after May 18, 1998 from the issuance or sale of its Capital Stock (other than Redeemable Stock) to a Person that is not a Subsidiary of the Company to the extent such sale of Capital Stock has not been used pursuant to clauses (iii), (iv) or (vii) of the second paragraph of Section 1012 to make a restricted payment; provided that such Indebtedness does not mature prior to the Stated Maturity of the Notes and the Average Life of such Indebtedness is longer than that of the Notes;

(vi) Indebtedness of the Company or any Restricted Subsidiary (A) in respect of performance, surety or appeal bonds or letters of credit supporting trade payables, in each case provided in the ordinary course of business; (B) under Currency Agreements and Interest Rate Agreements; provided that such agreements (a) are designed solely to protect the Company or any Restricted Subsidiary against fluctuation in foreign currency exchange rates or interest rates and (b) do not increase the Indebtedness of the obligor outstanding at any time other than as a result of fluctuations in foreign currency exchange rates or interest rates or by reason of fees, indemnities and compensation payable thereunder; and (C) arising from agreements providing for indemnification, adjustment of purchase price or similar obligations, or from Guarantees or letters of credit, surety bonds or performance bonds securing any obligations of the Company or any of its Restricted Subsidiaries pursuant to such agreements, in any case Incurred in connection with the disposition of any business, assets or Restricted Subsidiary of the Company (other than Guarantees of Indebtedness Incurred by any Person acquiring all or any portion of such business, assets or Restricted Subsidiary for the purpose of financing such acquisition), in a

57

principal amount not to exceed the gross proceeds actually received by the Company or any Restricted Subsidiary in connection with such disposition;

(vii) Indebtedness of the Company, to the extent that the net proceeds thereof are promptly (A) used to repurchase Notes tendered in a Change of Control Offer or (B) deposited to defease all of the Notes as set forth in Article Thirteen;

(viii) Indebtedness of a Restricted Subsidiary represented by a Guarantee of the Notes and any other Indebtedness of the Company permitted by and made in accordance with Section 1018;

(ix) Indebtedness of the Company or any Restricted Subsidiary not otherwise permitted hereunder in an aggregate principal amount which, when aggregated with the principal amount of all other Indebtedness then outstanding and incurred pursuant to this clause (ix), does not exceed \$200 million at any one time outstanding;

(x) Acquired Indebtedness;

(xi) Strategic Subordinated Indebtedness; and

(xii) Indebtedness of the Company or any Restricted Subsidiary arising from the honoring by a bank or other financial institution of a check or similar instrument inadvertently (except in the case of daylight overdrafts) drawn against insufficient funds in the ordinary course of business, provided that such Indebtedness is extinguished within three business days of Incurrence.

(c) Notwithstanding any other provision of this Section 1011, the maximum amount of Indebtedness that the Company or a Restricted Subsidiary may incur pursuant to this Section 1011 shall not be deemed to be exceeded with respect to any outstanding Indebtedness due solely to the result of fluctuations in the exchange rates of currencies.

(d) For purposes of determining any particular amount of Indebtedness under this Section 1011, Guarantees, Liens or obligations with respect to letters of credit supporting Indebtedness otherwise included in the determination of such particular amount shall not be included. For purposes of determining compliance with this Section 1011, in the event that an item of Indebtedness meets the criteria of more than one of the types of Indebtedness described in the above clauses, the Company, in its sole discretion, shall classify and from time to time may reclassify such item of Indebtedness and only be required to include the amount and type of such Indebtedness in one of such clauses.

SECTION 1012. Limitation on Restricted Payments

The Company will not, and will not permit any Restricted Subsidiary to, directly or indirectly, (i) (A) declare or pay any dividend or make any distribution in respect of the Company's Capital Stock to the holders thereof (other than dividends or distributions payable solely in shares of Capital Stock (other than Redeemable Stock) of the Company or in options, warrants or other rights to acquire such shares of Capital Stock) or (B) declare or pay any dividend or make any distribution in respect of the Capital Stock of any Restricted Subsidiary to any Person other than dividends and distributions payable to the Company or any Restricted Subsidiary or to all holders of Capital Stock of such Restricted Subsidiary on a pro rata basis, (ii) purchase, redeem, retire or otherwise acquire for value any shares of Capital Stock of the Company (including options, warrants or other rights to acquire such shares of Capital Stock) held by any Person other than a Restricted Subsidiary, (iii) make any voluntary or optional principal payment, or voluntary or optional redemption, repurchase, defeasance, or other acquisition or retirement for value of Subordinated Indebtedness, or (iv) make any Investment, other than a Permitted Investment, in any Person (such payments or any other actions described in clauses (i) through (iv) being collectively "Restricted Payments") if, at the time of, and after giving effect to, the proposed Restricted Payment:

(A) a Default or Event of Default shall have occurred and be continuing;

58

(B) the Company could not incur at least \$1.00 of Indebtedness under paragraph (a) of Section 1011; or

(C) the aggregate amount expended for all Restricted Payments (the amount so expended, if other than in cash, to be determined in good faith by the Board of Directors, whose determination shall be conclusive and evidenced by a Board Resolution) after the date of the Indenture shall exceed the sum of (1) the remainder of (a) 100% of the aggregate amount of the Consolidated Cash Flow (determined by excluding income resulting from transfers of assets received by the Company or a Restricted Subsidiary from an Unrestricted Subsidiary) accrued on a cumulative basis during the period (taken as one accounting period) beginning on the first day of the last fiscal quarter immediately preceding the

Closing Date and ending on the last day of the last fiscal quarter preceding the Transaction Date minus (b) the product of 1.75 times cumulative Consolidated Fixed Charges accrued on a cumulative basis during the period (taken as one accounting period) beginning on the first day of the last fiscal quarter immediately preceding the Closing Date and ending on the last day of the last fiscal quarter preceding the Transaction Date plus (2) the aggregate Net Cash Proceeds received by the Company after the Closing Date from the issuance and sale of its Capital Stock (other than Redeemable Stock) to a Person who is not a Subsidiary of the Company (except to the extent such Net Cash Proceeds are used to incur new Indebtedness outstanding pursuant to clause (v) of paragraph (b) of Section 1011) plus (3) the aggregate Net Cash Proceeds received after the Closing Date by the Company from the issuance or sale of debt securities that have been converted into or exchanged for Capital Stock of the Company (other than Redeemable Stock) together with the aggregate cash received by the Company at the time of such conversion or exchange plus (4) without duplication of any amount included in the calculation of Consolidated Cash Flow, in the case of repayment of, or return of capital in respect of, any Investment constituting a Restricted Payment made after the Closing Date and reducing the amount of Restricted Payments otherwise permitted under this clause (C), an amount equal to the lesser of the return of capital with respect to such Investment and the cost of such Investment, in either case less the cost of the disposition of such Investment.

The foregoing provision shall not be violated by reason of:

(i) the payment of any dividend within 60 days after the date of declaration thereof if, at said date of declaration, such payment would comply with the foregoing paragraph;

(ii) the redemption, repurchase, defeasance or other acquisition or retirement for value of Indebtedness that is subordinated in right of payment to the Notes including premium, if any, and accrued and unpaid interest, with the proceeds of, or in exchange for, Indebtedness Incurred under clause (iv) of paragraph (b) of Section 1011;

(iii) the repurchase, redemption or other acquisition of Capital Stock of the Company in exchange for, or out of the proceeds of a substantially concurrent offering of, shares of Capital Stock (other than Redeemable Stock) of the Company (except to the extent such proceeds are used to incur new Indebtedness pursuant to clause (v) of paragraph (b) of Section 1011);

(iv) the acquisition of Indebtedness of the Company which is subordinated in right of payment to the Notes in exchange for, or out of the proceeds of, a substantially concurrent offering of, shares of the Capital Stock (other than Redeemable Stock) of the Company (except to the extent such proceeds are used to incur new Indebtedness pursuant to clause (v) of paragraph (b) of Section 1011);

(v) payments or distributions to dissenting stockholders pursuant to applicable law, pursuant to or in connection with a consolidation, merger or transfer of assets that complies with the provisions of this Indenture applicable to mergers, consolidations and transfers of all or substantially all of the property and assets of the Company;

59

(vi) cash payments in lieu of the issuance of fractional shares issued in connection with the exercise of any Common Stock warrants;

(vii) Investments in Permitted Businesses acquired in exchange for Capital Stock (other than Redeemable Stock) of the Company or the Net Cash Proceeds from the issuance and sale of such Capital Stock (except to the extent such proceeds are used to incur new Indebtedness pursuant to clause (v) of paragraph (b) of Section 1011); provided that such proceeds are so used within 270 days of the receipt thereof;

(viii) the purchase of any Subordinated Indebtedness at a purchase price not greater than 101% of the principal amount thereof, together with accrued interest, if any, thereof in the event of a Change of Control in accordance with provisions similar to Section 1010; provided that prior to such purchase the Company has made the Change of Control offer as provided in such covenant with respect to the Notes and has purchased all Notes

validly tendered for payment in connection with such Change of Control Offer; and

(ix) other Restricted Payments not to exceed \$5.0 million; provided that, except in the case of clause (i), no Default or Event of Default shall have occurred and be continuing or occur as a consequence of the actions or payments set forth therein.

Each Restricted Payment permitted pursuant to the immediately preceding paragraph (other than (1) a Restricted Payment referred to in clause (ii) thereof, (2) an exchange of Capital Stock for Capital Stock or an exchange of Indebtedness for Capital Stock referred to in clauses (iii) or (iv) thereof or (3) an Investment referred to in clause (vii) thereof) and the Net Cash Proceeds from any issuance of Capital Stock referred to in clauses (iii), (iv) and (vii) shall be included in calculating whether the conditions of clause (C) of the first paragraph of Section 1012 have been met with respect to any subsequent Restricted Payments.

SECTION 1013. Limitation on Dividend and Other Payment Restrictions Affecting Restricted Subsidiaries

So long as any of the Notes are Outstanding, the Company will not, and will not permit any Restricted Subsidiary to, create or otherwise cause or suffer to exist or become effective any consensual encumbrance or restriction of any kind on the ability of any Restricted Subsidiary to (i) pay dividends or make any other distributions permitted by applicable law on any Capital Stock of such Restricted Subsidiary owned by the Company or any other Restricted Subsidiary, (ii) pay any Indebtedness owed to the Company or any other Restricted Subsidiary, (iii) make loans or advances to the Company or any other Restricted Subsidiary, or (iv) transfer any of its property or assets to the Company or any other Restricted Subsidiary.

The foregoing provisions shall not restrict any encumbrances or restrictions:

(i) existing on the Closing Date in the Indenture or any other agreements in effect on the Closing Date, and any extensions, refinancings, renewals or replacements of such agreements; provided that the encumbrances and restrictions in any such extensions, refinancings, renewals or replacements are no less favorable in any material respect to the Holders than those encumbrances or restrictions that are then in effect and that are being extended, refinanced, renewed or replaced;

(ii) contained in the terms of any Indebtedness or any agreement pursuant to which such Indebtedness was issued if the encumbrance or restriction applies only in the event of a payment default or default with respect to a financial covenant contained in such Indebtedness or agreement and such encumbrance or restriction is not materially more disadvantageous to the Holders of the Notes than is customary in comparable financings (as determined by the Company) and the Company determines that any such encumbrance or restriction will not materially affect the Company's ability to make principal or interest payments on the Notes;

60

(iii) existing under or by reason of applicable law;

(iv) existing with respect to any Person or the property or assets of such Person acquired by the Company or any Restricted Subsidiary, existing at the time of such acquisition and not incurred in contemplation thereof, which encumbrances or restrictions are not applicable to any Person or the property or assets of any Person other than such Person or the property or assets of such Person so acquired;

(v) in the case of clause (iv) of the first paragraph of this Section 1013, (A) that restrict in a customary manner the subletting, assignment or transfer of any property or asset that is, or is subject to, a lease, purchase mortgage obligation, license, conveyance or contract or similar property or asset, (B) existing by virtue of any transfer of, agreement to transfer, option or right with respect to, or Lien on, any property or assets of the Company or any Restricted Subsidiary not otherwise prohibited by the

Indenture or (C) arising or agreed to in the ordinary course of business, not relating to any Indebtedness, and that do not, individually or in the aggregate, detract from the value of property or assets of the Company or any Restricted Subsidiary in any manner material to the Company or any Restricted Subsidiary; or

(vi) with respect to a Restricted Subsidiary and imposed pursuant to an agreement that has been entered into for the sale or disposition of all or substantially all of the Capital Stock of, or property and assets of, such Restricted Subsidiary. Nothing contained in this Section 1013 shall prevent the Company or any Restricted Subsidiary from (1) creating, incurring, assuming or suffering to exist any Liens otherwise permitted in Section 1016 or (2) restricting the sale or other disposition of property or assets of the Company or any of its Restricted Subsidiaries that secure Indebtedness of the Company or any of its Restricted Subsidiaries.

SECTION 1014. Limitation on the Issuance and Sale of Capital Stock of Restricted Subsidiaries

The Company will not sell, transfer, convey or otherwise dispose of and will not permit any Restricted Subsidiary, directly or indirectly, to issue, transfer, convey, sell, lease or otherwise dispose of any shares of Capital Stock (including options, warrants or other rights to purchase shares of such Capital Stock) of such or any other Restricted Subsidiary to any Person except (i) to the Company or a Restricted Subsidiary, (ii) issuances of director's qualifying shares or sales to foreign nationals of shares of Capital Stock of non-U.S. Restricted Subsidiaries to the extent required by law and (iii) issuances and sales of Capital Stock of Restricted Subsidiaries if (A) the Net Cash Proceeds from such issuance, transfer, conveyance, sale, lease or other disposition are applied in accordance with the provisions of Section 1017, (B) immediately after giving effect to such issuance, transfer, conveyance, sale, lease or other disposition, such Restricted Subsidiary would no longer constitute a Restricted Subsidiary, and (C) any Investment in such Person remaining after giving effect to such issuance, transfer, conveyance, sale, lease or other disposition would have been permitted to be made under Section 1012 if made on the date of such issuance, transfer, conveyance, sale, lease or other disposition (valued as provided in the definition of "Investment").

SECTION 1015. Limitation on Transactions with Shareholders and Affiliates

The Company will not, and will not permit any Restricted Subsidiary to, directly or indirectly, enter into, renew or extend any transaction (including, without limitation, the purchase, sale, lease or exchange of property or assets, or the rendering of any service) with any holder (or any Affiliate of such holder) of 5% or more of any class of Capital Stock of the Company or with any Affiliate of the Company or any Restricted Subsidiary, unless:

- (i) such transaction or series of transactions is on terms no less favorable to the Company or such Restricted Subsidiary than those that could be obtained in a comparable arm's-length transaction with a Person that is not such a holder or an Affiliate,
- (ii) if such transaction or series of transactions involves aggregate consideration in excess of \$5.0 million, then such transaction or series of transactions is approved by a majority of the Board of Directors of the Company,

61

including the approval of a majority of the independent, disinterested directors, and is evidenced by a resolution of the Board of Directors of the Company, and

(iii) if such transaction or series of transactions involves aggregate consideration in excess of \$25.0 million, then the Company or such Restricted Subsidiary will deliver to the Trustee a written opinion as to the fairness to the Company or such Restricted Subsidiary of such transaction from a financial point of view from a nationally recognized investment banking firm (or, if an investment banking firm is generally not qualified to give such an opinion, by a nationally recognized

appraisal firm or accounting firm). Any such transaction or series of transactions shall be conclusively deemed to be on terms no less favorable to the Company or such Restricted Subsidiary than those that could be obtained in an arm's-length transaction if such transaction or transactions are approved by a majority of the Board of Directors of the Company, including a majority of the independent, disinterested directors, and are evidenced by a resolution of the Board of Directors of the Company.

The foregoing limitation does not limit, and will not apply to (i) any transaction between the Company and any of its Restricted Subsidiaries or between Restricted Subsidiaries; (ii) the payment of reasonable and customary regular fees to directors of the Company who are not employees of the Company; (iii) any Restricted Payments not prohibited by Section 1012; (iv) transactions provided for in the Employment Agreement as in effect on the Closing Date; and (v) loans and advances to employees of the Company or any Restricted Subsidiary not exceeding at any one time outstanding \$2.0 million in the aggregate, in the ordinary course of business and in accordance with past practice.

SECTION 1016. Limitation on Liens

Under the terms of the Indenture, the Company will not, and will not permit any Restricted Subsidiary to, create, incur, assume or suffer to exist any Lien (other than Permitted Liens) on any of its assets or properties of any character (including, without limitation, licenses and trademarks), or any shares of Capital Stock or Indebtedness of any Restricted Subsidiary, without making effective provision for all of the Notes and all other amounts due under the Indenture to be directly secured equally and ratably with (or prior to) the obligation or liability secured by such Lien.

SECTION 1017. Limitation on Asset Sales

The Company will not, and will not permit any Restricted Subsidiary to, make any Asset Sale unless (i) the Company or the Restricted Subsidiary, as the case may be, receives consideration at the time of such sale or other disposition at least equal to the Fair Market Value of the assets sold or disposed of as determined by the good-faith judgment of the Board of Directors, which determination, in each case where such fair market value is greater than \$5.0 million, shall be evidenced by a Board Resolution and (ii) at least 75% of the consideration received for such sale or other disposition consists of cash or cash equivalents or the assumption of unsubordinated Indebtedness.

The Company shall, or shall cause the relevant Restricted Subsidiary to, within 360 days after the date of receipt of the Net Cash Proceeds from an Asset Sale, (i) (A) apply an amount equal to such Net Cash Proceeds to permanently repay unsubordinated Indebtedness of the Company or Indebtedness of any Restricted Subsidiary, in each case owing to a Person other than the Company or any of its Restricted Subsidiaries or (B) invest an equal amount, or the amount not so applied pursuant to clause (A) in long-term property or assets of a nature or type or that are used in a business (or in a company having property and assets of a nature or type, or engaged in a business) similar or related to the nature or type of the property and assets of, or the business of, the Company and its Restricted Subsidiaries existing on the date of such investment (as determined in good faith by the Board of Directors, whose determination shall be conclusive and evidenced by a Board Resolution) and (ii) apply (no later than the end of the 360-day period referred to above) such excess Net Cash Proceeds (to the extent not applied pursuant to clause (i)) as provided in the following paragraphs of this Section 1017. The amount of such Net Cash Proceeds required to be applied (or to be

62

committed to be applied) during such 360-day period in the manner as set forth in clause (i) of the preceding sentence and not applied as so required by the end of such period shall constitute "Excess Proceeds."

If, as of the first day of any calendar month, the aggregate amount of Excess Proceeds not theretofore subject to an Excess Proceeds Offer (as defined below) totals at least \$10.0 million, the Company must, not later than the 30th Business Day thereafter, (i) use such Excess Proceeds to make an offer to purchase the 11-3/4% Senior Notes due 2004 of the Company in accordance with the terms of such Indebtedness which require such a purchase offer and do not provide for proration of the amount of such Indebtedness to be purchased with

such Exceeds Proceeds (the "1997 Senior Notes Offer") and (ii) to the extent Excess Proceeds remain after such offer is consummated, make an offer (an "Excess Proceeds Offer") to purchase from the Holders on a pro rata basis an aggregate principal amount of Notes equal to the Proportionate Share of the Excess Proceeds on such date remaining after application pursuant to the 1997 Senior Notes Offer, at a purchase price equal to 100% of the principal amount of the Notes, plus, in each case, accrued and unpaid interest to the date of purchase (the "Excess Proceeds Payment").

The Company shall commence an Excess Proceeds Offer by mailing a notice to the Trustee and each Holder stating:

(i) that the Excess Proceeds Offer is being made pursuant to this Section 1017 and that all Notes validly tendered will be accepted for payment on a pro rata basis;

(ii) the purchase price and the date of purchase (which shall be a Business Day no earlier than 30 days nor later than 60 days from the date such notice is mailed) (the "Excess Proceeds Payment Date");

(iii) that any Note not tendered will continue to accrue interest pursuant to its terms;

(iv) that, unless the Company defaults in the payment of the Excess Proceeds Payment, any Note accepted for payment pursuant to the Excess Proceeds Offer shall cease to accrue interest on and after the Excess Proceeds Payment Date;

(v) that Holders electing to have a Note purchased pursuant to the Excess Proceeds Offer will be required to surrender the Note, together with the form entitled "Option of the Holder to Elect Purchase" on the reverse side of the Note completed, to the Paying Agent at the address specified in the notice prior to the close of business on the Business Day immediately preceding the Excess Proceeds Payment Date;

(vi) that Holders will be entitled to withdraw their election if the Paying Agent receives, not later than the close of business on the third Business Day immediately preceding the Excess Proceeds Payment Date, a telegram, facsimile transmission or letter setting forth the name of such Holder, the principal amount of Notes delivered for purchase and a statement that such Holder is withdrawing his election to have such Notes purchased; and

(vii) that Holders whose Notes are being purchased only in part will be issued new Notes equal in principal amount to the unpurchased portion of the Notes surrendered; provided that each Note purchased and each new Note issued shall be in a principal amount of \$1,000 or integral multiples thereof.

On the Excess Proceeds Payment Date, the Company shall

(i) accept for payment on a pro rata basis Notes or portions thereof tendered pursuant to the Excess Proceeds Offer up to the Proportionate Share of such Excess Proceeds remaining after application pursuant to the 1997 Senior Notes Offer;

(ii) deposit with the Paying Agent money sufficient to pay the purchase price of all Notes or portions thereof so accepted; and

63

(iii) deliver, or cause to be delivered, to the Trustee all Notes or portions thereof so accepted together with an Officer's Certificate specifying the Notes or portions thereof accepted for payment by the Company. The Paying Agent shall promptly mail to the Holders of Notes so accepted payment in an amount equal to the purchase price, and the Trustee shall upon Company Order, promptly authenticate and mail to such Holders a new Note equal in principal amount to any unpurchased portion of the Note surrendered; provided that each Note purchased and each new Note issued shall be in a principal amount of \$1,000 or integral multiples thereof. The Company will publicly announce the results of the Excess Proceeds Offer as soon as practicable after the Excess Proceeds Payment Date. For purposes of this Section 1017, the Trustee shall act as the Paying Agent.

The Company will comply with Rule 14e-1 under the Exchange Act and any other securities laws and regulations thereunder to the extent such laws and regulations are applicable, in the event that such Excess Proceeds are received by the Company under this Section 1017 and the Company is required to repurchase Notes as described above.

SECTION 1018. Limitation on Issuances of Guarantees of Indebtedness by Restricted Subsidiaries

The Company will not permit any Restricted Subsidiary, directly or indirectly, to guarantee, assume or in any other manner become liable with respect to any Indebtedness of the Company, other than Indebtedness under Credit Facilities incurred under clauses (i) and (ii) of Section 1011, unless (i) such Restricted Subsidiary simultaneously executes and delivers a supplemental indenture to the Indenture providing for a Guarantee of the Notes on terms substantially similar to the guarantee of such Indebtedness, except that if such Indebtedness is by its express terms subordinated in right of payment to the Notes, any such assumption, Guarantee or other liability of such Restricted Subsidiary with respect to such Indebtedness shall be subordinated in right of payment to such Restricted Subsidiary's assumption, Guarantee of other liability with respect to the Notes substantially to the same extent as such Indebtedness is subordinated to the Notes and (ii) such Restricted Subsidiary waives, and will not in any manner whatsoever claim or take the benefit or advantage of, any rights of reimbursement, indemnity or subrogation or any other rights against the Company or any other Restricted Subsidiary as a result of any payment by such Restricted Subsidiary under its Guarantee.

Notwithstanding the foregoing, any Guarantee by a Restricted Subsidiary may provide by its terms that it will be automatically and unconditionally released and discharged upon (i) any sale, exchange or transfer, to any Person not an Affiliate of the Company, of all of the Company's and each Restricted Subsidiary's Capital Stock in, or all or substantially all of the assets of, such Restricted Subsidiary (which sale, exchange or transfer is not prohibited by the Indenture) or (ii) the release or discharge of the guarantee which resulted in the creation of such Guarantee, except a discharge or release by or as a result of payment under such guarantee.

SECTION 1019. Business of the Company

The Company will not, and will not permit any Restricted Subsidiary to, be principally engaged in any business or activity other than a Permitted Business.

SECTION 1020. Limitation on Investments in Unrestricted Subsidiaries

The Company will not make, and will not permit any of its Restricted Subsidiaries to make, any Investments in Unrestricted Subsidiaries if, at the time thereof, the aggregate amount of such Investments would exceed the amount of Restricted Payments then permitted to be made pursuant to Section 1012. Any Investments in Unrestricted Subsidiaries permitted to be made pursuant to this covenant (i) will be treated as the making of a Restricted Payment in calculating the amount of Restricted Payments made by the Company or a Subsidiary and (ii) may be made in cash or property (if made in property, the Fair Market Value thereof as determined by the Board of Directors of the Company

64

(whose determination shall be conclusive and evidenced by a Board Resolution)

shall be deemed to be the amount of such Investment for the purpose of clause (i)).

SECTION 1021. Termination of TresCom Facility.

The Company shall not, and shall not permit any of its Restricted Subsidiaries to, Incur any Indebtedness (other than fees and expenses which accrue by the terms of the TresCom Facility) under the TresCom Facility and the Company will cause the TresCom Facility to be terminated as soon as practicable.

SECTION 1022. Waiver of Certain Covenants

The Company may omit in any particular instance to comply with any term, provision or condition set forth in Section 803 or Sections 1007 through 1022, inclusive, if before or after the time for such compliance the Holders of at least a majority in principal amount of the Outstanding Notes, by Act of such Holders, waive such compliance in such instance with such term, provision or condition, but no such waiver shall extend to or affect such term, provision or condition except to the extent so expressly waived, and, until such waiver shall become effective, the obligations of the Company and the duties of the Trustee in respect of any such term, provision or condition shall remain in full force and effect.

ARTICLE ELEVEN
REDEMPTION OF NOTES

SECTION 1101. Right of Redemption

(a) The Notes may be redeemed, at the election of the Company, as a whole or from time to time in part, at any time on or after January 15, 2004, subject to the conditions and at the Redemption Prices specified in the Notes, together with accrued interest to the Redemption Date.

(b) Notwithstanding the foregoing, prior to January 15, 2002, the Company may redeem up to 35% of the originally issued aggregate principal amount of the Notes on one or more occasions with the Net Cash Proceeds of one or more Public Equity Offerings at a redemption price equal to 111.25% of the aggregate principal amount thereof, plus accrued interest, if any, and Liquidated Damages, if any, thereon to the Redemption Date (subject to the right of Holders of record on the relevant Regular Record Date to receive interest due on an Interest Payment Date); provided that, immediately after giving effect to such redemption, at least 65% of the originally issued aggregate principal amount of the Notes remains Outstanding; and provided further that notice of such redemptions shall be given within 60 days of the date of closing of any such Public Equity Offering.

SECTION 1102. Applicability of Article

Redemption of Notes at the election of the Company or otherwise, as permitted or required by any provision of this Indenture, shall be made in accordance with such provision and this Article.

SECTION 1103. Election to Redeem Notice to Trustee

The election of the Company to redeem any Notes pursuant to Section 1101 shall be evidenced by a Board Resolution. In case of any redemption at the election of the Company, the Company shall, at least 60 days prior to the Redemption Date fixed by the Company (unless a shorter notice shall be satisfactory to the Trustee), notify the

65

Trustee of such Redemption Date and of the principal amount of Notes to be redeemed and shall deliver to the Trustee such documentation and records as shall enable the Trustee to select the Notes to be redeemed pursuant to Section 1104.

SECTION 1104. Selection by Trustee of Notes to Be Redeemed

If less than all the Notes are to be redeemed, the particular Notes to be redeemed shall be selected not more than 60 days prior to the Redemption Date by the Trustee, from the Outstanding Notes not previously called for redemption, in compliance with the requirements of the principal national securities exchange, if any, on which the Notes are listed, if the Notes are not listed on a national securities exchange, on a pro rata basis, by lot or by such method as the Trustee shall deem fair and appropriate and which may provide for the selection for redemption of portions of the principal of Notes; provided, however, that no such partial redemption shall reduce the portion of the principal amount of a Note not redeemed to less than \$1,000.

The Trustee shall promptly notify the Company in writing of the Notes selected for redemption and, in the case of any Notes selected for partial redemption, the principal amount thereof to be redeemed.

For all purposes of this Indenture, unless the context otherwise

requires, all provisions relating to redemption of Notes shall relate, in the case of any Note redeemed or to be redeemed only in part, to the portion of the principal amount of such Note which has been or is to be redeemed.

SECTION 1105. Notice of Redemption

Notice of redemption shall be given in the manner provided for in Section 106 not less than 30 nor more than 60 days prior to the Redemption Date, to each Holder of Notes to be redeemed.

All notices of redemption shall state:

- (1) the Redemption Date,
- (2) the Redemption Price and the amount of accrued interest to the Redemption Date payable as provided in Section 1107, if any,
- (3) if less than all Outstanding Notes are to be redeemed, the identification (and, in the case of a partial redemption, the principal amounts) of the particular Notes to be redeemed,
- (4) in case any Note is to be redeemed in part only, the notice which relates to such Note shall state that on and after the Redemption Date, upon surrender of such Note, the Holder will receive, without charge, a new Note or Notes of authorized denominations for the principal amount thereof remaining unredeemed,
- (5) that on the Redemption Date the Redemption Price (and accrued interest and Liquidated Damages, if any, to the Redemption Date payable as provided in Section 1107) will become due and payable upon each such Note, or the portion, thereof, to be redeemed, and that interest thereon will cease to accrue on and after said date,
- (6) the place or places where such Notes are to be surrendered for payment of the Redemption Price and accrued interest and Liquidated Damages, if any.

Notice of redemption of Notes to be redeemed at the election of the Company shall be given by the Company or, at the Company's request, by the Trustee in the name and at the expense of the Company.

SECTION 1106. Deposit of Redemption Price

66

Prior to any Redemption Date, the Company shall deposit with the Trustee or with a Paying Agent (or, if the Company is acting as its own Paying Agent, segregate and hold in trust as provided in Section 1003) an amount of money sufficient to pay the Redemption Price of, and Liquidated Damages, if any, and accrued interest on, all the Notes which are to be redeemed on that date.

SECTION 1107. Notes Payable on Redemption Date

Notice of redemption having been given as aforesaid, the Notes so to be redeemed shall, on the Redemption Date, become due and payable at the Redemption Price therein specified (together with Liquidated Damages and accrued interest, if any, to the Redemption Date), and from and after such date (unless the Company shall default in the payment of the Redemption Price and accrued interest) such Notes shall cease to bear interest. Upon surrender of any such Note for redemption in accordance with said notice, such Note shall be paid by the Company at the Redemption Price, together with Liquidated Damages and accrued interest, if any, to the Redemption Date; provided, however, that installments of interest whose Stated Maturity is on or prior to the Redemption Date shall be payable to the Holders of such Notes, or one or more Predecessor Notes, registered as such at the close of business on the relevant Record Dates according to their terms and the provisions of Section 309.

If any Note called for redemption shall not be so paid upon surrender thereof for redemption, the principal (and premium, if any) shall, until paid, bear interest from the Redemption Date at the rate borne by the Notes.

SECTION 1108. Notes Redeemed in Part

Any Note which is to be redeemed only in part (pursuant to the provisions of this Article) shall be surrendered at the office or agency of the Company maintained for such purpose pursuant to Section 1002 (with, if the Company or the Trustee so requires, due endorsement by, or a written instrument of transfer in form satisfactory to the Company and the Trustee duly executed by, the Holder thereof or such Holder's attorney duly authorized in writing), and the Company shall execute, and the Trustee shall upon Company Order authenticate and deliver to the Holder of such Note without service charge, a new Note or Notes, of any authorized denomination as requested by such Holder, in aggregate principal amount equal to and in exchange for the unredeemed portion of the principal of the Note so surrendered.

ARTICLE TWELVE

[This Article Has Been Intentionally Omitted]

ARTICLE THIRTEEN

DEFEASANCE AND COVENANT DEFEASANCE

SECTION 1301. Company's Option to Effect Defeasance or Covenant Defeasance

The Company may, at its option by Board Resolution, at any time, with respect to the Notes, elect to have either Section 1302 or Section 1303 be applied to all Outstanding Notes upon compliance with the conditions set forth below in this Article Thirteen.

SECTION 1302. Defeasance and Discharge

67

Upon the Company's exercise under Section 1301 of the option applicable to this Section 1302, the Company shall be deemed to have been discharged from its obligations with respect to all Outstanding Notes on the date the conditions set forth in Section 1304 are satisfied (hereinafter, "defeasance"). For this purpose, such defeasance means that the Company shall be deemed to have paid and discharged the entire indebtedness represented by the Outstanding Notes, which shall thereafter be deemed to be "Outstanding" only for the purposes of Section 1305 and the other Sections of this Indenture referred to in (A) and (B) below, and to have satisfied all its other obligations under such Notes and this Indenture insofar as such Notes are concerned (and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging the same), except for the following which shall survive until otherwise terminated or discharged hereunder: (A) the rights of Holders of Outstanding Notes to receive, solely from the trust fund described in Section 1304 and as more fully set forth in such Section, payments in respect of the principal of (and premium, if any, on) and interest and Liquidated Damages, if any, on such Notes when such payments are due, (B) the Company's obligations with respect to such Notes under Sections 304, 305, 308, 1002 and 1003, (C) the rights, powers, trusts, duties and immunities of the Trustee hereunder and (D) this Article Thirteen. Subject to compliance with this Article Thirteen, the Company may exercise its option under this Section 1302 notwithstanding the prior exercise of its option under Section 1303 with respect to the Notes.

SECTION 1303. Covenant Defeasance

Upon the Company's exercise under Section 1301 of the option applicable to this Section 1303, the Company shall be released from its obligations under any covenant contained in Section 801(3) and Section 803 and in Sections 1007 through 1021 with respect to the Outstanding Notes on and after the date the conditions set forth below are satisfied (hereinafter, "covenant defeasance"), and the Notes shall thereafter be deemed not to be "Outstanding" for the purposes of any direction, waiver, consent or declaration or Act of Holders (and the consequences of any thereof) in connection with such covenants, but shall continue to be deemed "Outstanding" for all other purposes hereunder. For this purpose, such covenant defeasance means that, with respect to the Outstanding Notes, the Company may omit to comply with and shall have no liability in respect of any term, condition or limitation set forth in any such covenant, whether directly or indirectly, by reason of any reference elsewhere herein to any such covenant or by reason of any reference in any such covenant to any other provision herein or in any other document and such omission to

comply shall not constitute a Default or an Event of Default under Section 501(5), but, except as specified above, the remainder of this Indenture and such Notes shall be unaffected thereby.

SECTION 1304. Conditions to Defeasance or Covenant Defeasance

The following shall be the conditions to application of either Section 1302 or Section 1303 to the Outstanding Notes:

(1) The Company shall irrevocably have deposited or caused to be deposited with the Trustee (or another trustee satisfying the requirements of Section 607 who shall agree to comply with the provisions of this Article Thirteen applicable to it) as trust funds in trust for the purpose of making the following payments, specifically pledged as security for, and dedicated solely to, the benefit of the Holders of such Notes, (A) cash in United States dollars, or (B) U.S. Government Obligations which through the scheduled payment of principal and interest in respect thereof in accordance with their terms will provide, not later than one day before the due date of any payment, money in an amount, or (C) a combination thereof, sufficient, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, to pay and discharge, and which shall be applied by the Trustee (or other qualifying trustee) to pay and discharge, (i) the principal of (and premium, if any), interest and Liquidated Damages, if any, on the Outstanding Notes on the Stated Maturity (or Redemption Date, if applicable) of such principal (and premium, if any) or installment of interest and Liquidated Damages, if any, and (ii) any mandatory sinking fund payments or analogous payments applicable to the Outstanding Notes on the day on which such payments are due and payable in accordance with the terms of this Indenture and of such Notes; provided that the Trustee shall have been irrevocably instructed to apply such money or the proceeds of such

68

U.S. Government Obligations to said payments with respect to the Notes. Before such a deposit, the Company may give to the Trustee, in accordance with Section 1103 hereof, a notice of its election to redeem all of the Outstanding Notes at a future date in accordance with Article Eleven hereof, which notice shall be irrevocable. Such irrevocable redemption notice, if given, shall be given effect in applying the foregoing. For this purpose, "U.S. Government Obligations" means securities that are (x) direct obligations of the United States of America for the timely payment of which its full faith and credit is pledged or (y) obligations of a Person controlled or supervised by and acting as an agency or instrumentality of the United States of America the timely payment of which is unconditionally guaranteed as a full faith and credit obligation by the United States of America, which, in either case, are not callable or redeemable at the option of the issuer thereof, and shall also include a depository receipt issued by a bank (as defined in Section 3(a)(2) of the Securities Act of 1933, as amended), as custodian with respect to any such U.S. Government Obligation or a specific payment of principal of or interest on any such U.S. Government Obligation held by such custodian for the account of the holder of such depository receipt, provided that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the U.S. Government Obligation or the specific payment of principal of or interest on the U.S. Government Obligation evidenced by such depository receipt.

(2) No Default or Event of Default with respect to the Notes shall have occurred and be continuing on the date of such deposit or, insofar as paragraphs (8) and (9) of Section 501 hereof are concerned, at any time during the period ending on the 123rd day after the date of such deposit (it being understood that this condition shall not be deemed satisfied until the expiration of such period).

(3) [Intentionally Omitted]

(4) Such defeasance or covenant defeasance shall not result in a breach or violation of, or constitute a default under any material agreement or instrument (other than this Indenture) to which the Company is a party or by which it is bound.

(5) In the case of an election under Section 1302, the Company shall have delivered to the Trustee an Opinion of Counsel stating that (x) the Company has received from, or there has been published by, the Internal Revenue Service a ruling, or (y) since January 29, 1999, there has been a change in the applicable federal income tax law, in either case to the effect that, and based thereon such opinion shall confirm that, the Holders of the Outstanding Notes will not recognize income, gain or loss for federal income tax purposes as a result of such defeasance and will be subject to federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such defeasance had not occurred.

(6) In the case of an election under Section 1303, the Company shall have delivered to the Trustee an Opinion of Counsel to the effect that the Holders of the Outstanding Notes will not recognize income, gain or loss for federal income tax purposes as a result of such covenant defeasance and will be subject to federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such covenant defeasance had not occurred.

(7) The Company shall have delivered to the Trustee an Officer's Certificate and an Opinion of Counsel, each stating that all conditions precedent provided for relating to either the defeasance under Section 1302 or the covenant defeasance under Section 1303 (as the case may be) have been complied with.

SECTION 1305. Deposited Money and U.S. Government Obligations to Be Held in Trust; Other Miscellaneous Provisions

Subject to the provisions of the last paragraph of Section 1003, all money and U.S. Government Obligations (including the proceeds thereof) deposited with the Trustee (or other qualifying trustee, collectively for

69

purposes of this Section 1305, the "Trustee") pursuant to Section 1304 in respect of the Outstanding Notes shall be held in trust and applied by the Trustee, in accordance with the provisions of such Notes and this Indenture, to the payment, either directly or through any Paying Agent (including the Company acting as its own Paying Agent) as the Trustee may determine, to the Holders of such Notes of all sums due and to become due thereon in respect of principal (and premium and Liquidated Damages, if any) and interest, but such money need not be segregated from other funds except to the extent required by law.

The Company shall pay and indemnify the Trustee against any tax, fee or other charge imposed on or assessed against the U.S. Governmental Obligations deposited pursuant to Section 1304 or the principal and interest received in respect thereof other than any such tax, fee or other charge which by law is for the account of the Holders of the Outstanding Notes.

Anything in this Article Thirteen to the contrary notwithstanding, the Trustee shall deliver or pay to the Company from time to time upon Company Request any money or U.S. Government Obligations held by it as provided in Section 1304 which, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, are in excess of the amount thereof which would then be required to be deposited to effect an equivalent defeasance or covenant defeasance, as applicable, in accordance with this Article.

SECTION 1306. Reinstatement

If the Trustee or any Paying Agent is unable to apply any money in accordance with Section 1305 by reason of any order or judgment of any court or governmental authority enjoining, restraining or otherwise prohibiting such application, then the Company's obligations under this Indenture and the Notes shall be revived and reinstated as though no deposit had occurred pursuant to Section 1302 or 1303, as the case may be, until such time as the Trustee or Paying Agent is permitted to apply all such money in accordance with Section 1305; provided, however, that if the Company makes any payment of principal of (or premium or Liquidated Damages, if any) or interest on any Note following the reinstatement of its obligations, the Company shall be subrogated to the rights of the Holders of such Notes to receive such payment from the money held by the

Trustee or Paying Agent.

This Indenture may be signed in any number of counterparts each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same Indenture.

70

IN WITNESS WHEREOF, the parties hereto have caused this Indenture to be duly executed as of the day and year first above written.

PRIMUS TELECOMMUNICATIONS
GROUP, INCORPORATED

By: /s/ K. Paul Singh

Name: K. Paul Singh
Title: President and Chief Executive
Officer

Attest:

By: /s/ Robert Stankey

Name: Robert Stankey
Title: Secretary

FIRST UNION NATIONAL BANK

By: _____
Name:
Title:

Attest:

By: _____
Name:
Title:

EXHIBIT A

[FORM OF FACE OF NOTE]

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED

11-1/4% [Series B]1 Senior Note Due 2009
[CUSIP] [CINS] _____

No. _____ \$ _____

Primus Telecommunications Group, Incorporated, a Delaware corporation (herein called the "Company," which term includes any successor Person under the Indenture hereinafter referred to), for value received, hereby promises to pay to _____ or registered assigns, the principal sum of _____ United States dollars on _____, 2009, at the office or agency of the Company referred to below, and to pay interest thereon on _____, 1999 and semi-annually thereafter, on _____ and _____ in each year, from _____, _____ or from the most recent Interest Payment Date to which interest has been paid or duly provided for, at the rate of 11-1/4% per annum, until the principal hereof is paid or duly provided for, and (to the extent lawful) to pay on demand interest on any overdue interest at the

rate borne by the Notes from the date on which such overdue interest becomes payable to the date payment of such interest has been made or duly provided for. The interest so payable, and punctually paid or duly provided for, on any Interest Payment Date will, as provided in such Indenture, be paid to the Person in whose name this Note (or one or more Predecessor Notes) is registered at the close of business on the Regular Record Date for such interest, which shall be the

_____ or _____ (whether or not a Business Day), as the case may be, next preceding such Interest Payment Date. Any such interest not so punctually paid or duly provided for shall forthwith cease to be payable to the Holder on such Regular Record Date, and such defaulted interest, and (to the extent lawful) interest on such defaulted interest at the rate borne by the Notes, may be paid to the Person in whose name this Note (or one or more Predecessor Notes) is registered at the close of business on a Special Record Date for the payment of such Defaulted Interest to be fixed by the Trustee, notice whereof shall be given to Holders of Notes not less than 10 days prior to such Special Record Date, or may be paid at any time in any other lawful manner not inconsistent with the requirements of any securities exchange on which the Notes may be listed, and upon such notice as may be required by such exchange, all as more fully provided in said Indenture.

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1 Include only for Exchange Notes.

A-2

[The Holder of this Note is entitled to the benefits of the Registration Rights Agreement, dated as of January 21, 1999 (the "Registration Rights Agreement"), between the Company, Primus Telecommunications Incorporated, Primus Telecommunications (Australia) Pty. Ltd., Primus Telecommunications Pty. Ltd. and the Initial Purchasers named therein. In the event that either (i) the Company fails to file with the Commission the Shelf Registration Statement required by the Registration Rights Agreement on or before the date specified therein for such filing, (ii) any of the Registration Statements is not declared effective by the Commission on or prior to the date specified for such effectiveness in the Registration Rights Agreement (the "Effectiveness Target Date"), (iii) the Exchange Offer has not been consummated on or prior to the date specified for such consummation in the Registration Rights Agreement or (iv) any Registration Statement required by the Registration Rights Agreement is filed and declared effective but thereafter ceases to be effective or fails to be usable for its intended purpose without being succeeded within five Business Days by a post-effective amendment to such Registration Statement that cures such failure and that is declared effective within such five Business Day period (each such event referred to in clauses (i) through (iv) above, a "Registration Default"), additional cash interest ("Liquidated Damages") shall accrue to each Holder of the Notes commencing upon the occurrence of such Registration Default in an amount equal to .50% per annum of the principal amount of Notes held by such Holder. The amount of Liquidated Damages will increase by an additional .50% per annum of the principal amount of Notes with respect to each subsequent 90-day period (or portion thereof) until all Registration Defaults have been cured, up to a maximum rate of Liquidated Damages of 1.50% per annum of the principal amount of Notes. All accrued Liquidated Damages will be paid to Holders by the Company in the same manner as interest is paid pursuant to the Indenture. Following the cure of all Registration Defaults relating to any particular Transfer Restricted Securities (as defined in the Registration Rights Agreement), the accrual of Liquidated Damages with respect to such Transfer Restricted Notes will cease.]2

Payment of the principal of (and premium and Liquidated Damages, if any) and interest on this Note will be made at the office or agency of the Company maintained for that purpose in The City of New York, or at such other office or agency of the Company as may be maintained for such purpose, in such coin or currency of the United States of America as at the time of payment is legal tender for payment of public and private debts; provided, however, that payment of interest may be made at the option of the Company (i) by check mailed to the address of the Person entitled thereto as such address shall appear on the Note Register or (ii) by transfer to an account maintained by the payee located in the United States.

Reference is hereby made to the further provisions of this Note set forth on the reverse hereof, which further provisions shall for all purposes have the same effect as if set forth at this place.

Unless the certificate of authentication hereon has been duly executed by the Trustee referred to on the reverse hereof by manual signature, this Note shall not be entitled to any benefit under the Indenture, or be valid or obligatory for any purpose.

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2 To be included in Initial Notes and modified, as appropriate, for the

Additional Notes.

A-3

IN WITNESS WHEREOF, the Company has caused this instrument to be duly executed under its corporate seal.

Dated: PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED

By _____

Attest:

Authorized Signature

TRUSTEE'S CERTIFICATE OF AUTHENTICATION.

Dated:

This is one of the Notes referred to in the within-mentioned Indenture.

FIRST UNION NATIONAL BANK,
as Trustee

By _____
Authorized Officer

A-4

[FORM OF REVERSE SIDE OF NOTE]

PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED

11-1/4% Senior Notes Due 2009

This Note is one of a duly authorized issue of notes of the Company designated as its 11-1/4% Senior Notes Due 2009 (herein called the "Notes"), limited (except as otherwise provided in the Indenture referred to below) in aggregate principal amount to \$_____, which may be issued under an indenture (herein called the "Indenture") dated as of January 29, 1999 between the Company and First Union National Bank, trustee (herein called the "Trustee", which term includes any successor trustee under the Indenture), to which Indenture and all indentures supplemental thereto reference is hereby made for a statement of the respective rights, limitations of rights, duties, obligations and immunities thereunder of the Company, the Trustee and the Holders of the Notes, and of the terms upon which the Notes are, and are to be, authenticated and delivered.

The Notes are subject to redemption upon not less than 30 nor more than 60 days prior notice, in whole or in part, at any time or from time to time on or after January 15, 2004 and prior to Maturity, at the election of the Company, at Redemption Prices (expressed in percentages of principal amount thereof), plus accrued and unpaid interest and Liquidated Damages, if any, thereon to the Redemption Date (subject to the right of Holders of record on the relevant Record Date to receive interest due on an Interest Payment Date that is on or prior to the Redemption Date), if redeemed during the 12-month period beginning January 15 of the years indicated:

	Redemption
2004	105.625%
2005	103.750%
2006	101.875%
2007 (and thereafter)	100.000%

Notwithstanding the foregoing, prior to January 15, 2002, the Company may on any one or more occasions redeem up to 35% of the originally issued principal amount of Notes at a redemption price of 111.25% of the

principal amount thereof, plus accrued and unpaid interest and Liquidated Damages, if any, thereon to the redemption date, with the Net Cash Proceeds of one or more Public Equity Offerings; provided (i) that at least 65% of the originally issued principal amount of Notes remains outstanding immediately after giving effect to such redemption and (ii) that notice of such redemption is mailed within 60 days of the closing of each such Public Equity Offering.

A-5

Upon the occurrence of a Change of Control, the Holder of this Note may require the Company, subject to certain limitations provided in the Indenture, to repurchase all or any part of this Note at a purchase price in cash in an amount equal to 101% of the principal amount thereof plus accrued and unpaid interest and Liquidated Damages, if any, to the date of purchase.

Under certain circumstances, in the event the Net Cash Proceeds received by the Company from an Asset Sale, which proceeds are not used to (i) (A) apply an amount equal to such Net Cash Proceeds to permanently repay unsubordinated Indebtedness of the Company or Indebtedness of any Restricted Subsidiary, in each case owing to a Person other than the Company or any of its Restricted Subsidiaries or (B) invest an equal amount, or the amount not so applied pursuant to clause (A), in long-term property or assets of a nature or type or that are used in a business (or in a company having property and assets of a nature or type, or engaged in a business) similar or related to the nature or type of the property and assets of, or the business of, the Company and its Restricted Subsidiaries existing on the date of such investment (as determined in good faith by the Board of Directors, whose determination shall be conclusive and evidenced by a Board Resolution) and (ii) apply (no later than the end of the 360-day period immediately following the date of receipt of the Net Cash Proceeds from an Asset Sale) such excess Net Cash Proceeds (to the extent not applied pursuant to clause (i)) in accordance with the Indenture, and which proceeds equal or exceed a specified amount and are not applied to purchase 11-3/4% Senior Notes due 2004 of the Company pursuant to a 1997 Senior Notes Offer (as defined in the Indenture), the Company shall be required to make an offer to all Holders to purchase the maximum principal amount of Notes, in an integral multiple of \$1,000, that may be purchased out of such amount at a purchase price in cash equal to 100% of the principal amount thereof, plus accrued, unpaid interest and Liquidated Damages, if any, to the date of purchase, in accordance with the Indenture. Holders of Notes that are subject to any offer to purchase shall receive an Excess Proceeds Offer from the Company prior to any related Excess Proceeds Payment Date.

In the case of any redemption or repurchase of Notes, interest installments and Liquidated Damages, if any, whose Stated Maturity is on or prior to the Redemption Date or Excess Proceeds Payment Date will be payable to the Holders of such Notes, or one or more Predecessor Notes, of record at the close of business on the relevant Record Date referred to on the face hereof. Notes (or portions thereof) for whose redemption and payment provision is made in accordance with the Indenture shall cease to bear interest from and after the Redemption Date or Excess Proceeds Payment Date, as the case may be.

In the event of redemption of this Note in part only, a new Note or Notes for the unredeemed portion hereof shall be issued in the name of the Holder hereof upon the cancellation hereof.

If an Event of Default shall occur and be continuing, the principal of all the Notes may be declared due and payable in the manner and with the effect provided in the Indenture.

A-6

The Indenture contains provisions for defeasance at any time of (a) the entire indebtedness of the Company on this Note and (b) certain restrictive covenants and the related Defaults and Events of Default, upon compliance by the Company with certain conditions set forth therein, which provisions apply to this Note.

The Indenture permits, with certain exceptions as therein provided the amendment thereof and the modification of the rights and obligations of the Company and the rights of the Holders under the Indenture at any time by the Company and the Trustee with the consent of the Holders of a majority in

aggregate principal amount of the Notes at the time Outstanding. The Indenture also contains provisions permitting the Holders of specified percentages in aggregate principal amount of the Notes at the time Outstanding, on behalf of the Holders of all the Notes, to waive compliance by the Company with certain provisions of the Indenture and certain past defaults under the Indenture and their consequences. Any such consent or waiver by or on behalf of the Holder of this Note shall be conclusive and binding upon such Holder and upon all future Holders of this Note and of any Note issued upon the registration of transfer hereof or in exchange herewith or in lieu hereof whether or not notation of such consent or waiver is made upon this Note.

No reference herein to the Indenture and no provision of this Note or of the Indenture shall alter or impair the obligation of the Company, which is absolute and unconditional, to pay the principal of (and premium, if any) and interest and Liquidated Damages, if any, on this Note at the times, place, and rate, and in the coin or currency, herein prescribed.

If less than all the Notes are to be redeemed, the particular Notes to be redeemed shall be selected not more than 60 days prior to the Redemption Date in compliance with the requirements of the principal national securities exchange, if any, on which the Notes are listed or, if the Notes are not listed on a national securities exchange, on a pro rata basis, by lot or by such other method as the Trustee in its sole discretion shall deem fair and appropriate and which may provide for the selection for redemption of portions of the principal of Notes.

As provided in the Indenture and subject to certain limitations therein set forth, the transfer of this Note is registrable on the Note Register of the Company, upon surrender of this Note for registration of transfer at the office or agency of the Company maintained for such purpose in The City of New York, duly endorsed by, or accompanied by a written instrument of transfer in form satisfactory to the Company and the Note Registrar duly executed by, the Holder hereof or his attorney duly authorized in writing, and thereupon one or more new Notes, of authorized denominations and for the same aggregate principal amount, will be issued to the designated transferee or transferees.

The Notes are issuable only in registered form without coupons in denominations of \$1,000 and any integral multiple thereof. As provided in the Indenture and subject to certain

A-7

limitations therein set forth, the Notes are exchangeable for a like aggregate principal amount of Notes of a different authorized denomination, as requested by the Holder surrendering the same.

No service charge shall be made for any registration of transfer or exchange of Notes, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection therewith.

Prior to the time of due presentment of this Note for registration of transfer, the Company, the Trustee and any agent of the Company or the Trustee may treat the Person in whose name this Note is registered on the Note Register as the owner hereof for all purposes, whether or not this Note be overdue, and neither the Company, the Trustee nor any agent shall be affected by notice to the contrary.

THIS NOTE SHALL BE GOVERNED AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK.

Interest on this Note shall be computed on the basis of a 360-day year of twelve 30-day months.

All terms used in this Note which are defined in the Indenture shall have the meanings assigned to them in the Indenture.

A-8

[FORM OF TRANSFER NOTICE]

FOR VALUE RECEIVED the undersigned registered holder hereby sell(s),

assign(s) and transfer(s) unto

Insert Taxpayer Identification No.

(Please print or typewrite name and address including zip code of assignee)

the within Note and all rights thereunder, hereby irrevocably constituting and appointing

its attorney to transfer such Note on the books of the Company with full power of substitution in the premises.

[THE FOLLOWING PROVISION TO BE INCLUDED ON
ALL NOTES OTHER THAN EXCHANGE NOTES
AND OFFSHORE PHYSICAL NOTES]

In connection with any transfer of this Note occurring prior to the date which is the earlier of the (i) date of an effective Registration Statement or (ii) two years after the later of the original issuance of this Note or the last date on which this Note was held by an Affiliate of the Company, the undersigned confirms that without utilizing any general solicitation or general advertising:

[Check One]

(a) this Note is being transferred in compliance with the exemption from registration under the Securities Act of 1933, as amended, provided by Rule 144A thereunder,

or

(b) this Note is being transferred other than in accordance with (a) above and documents are being furnished which comply with the conditions of transfer set forth in this Note and the Indenture.

A-9

If neither of the foregoing boxes is checked, the Trustee or other Registrar shall not be obligated to register this Note in the name of any Person other than the Holder hereof unless and until the conditions to any such transfer of registration set forth herein and in Section 305 of the Indenture shall have been satisfied.

Date: _____

NOTICE: The signature to this assignment must correspond with the name as written upon the face of the within-mentioned instrument in every particular, without alteration or any change whatsoever.

Signature Guarantee*: _____

TO BE COMPLETED BY PURCHASER IF (a) ABOVE IS CHECKED.

The undersigned represents and warrants that it is purchasing this Note for its own account or an account with respect to which it exercises sole investment discretion and that it or such account is a "qualified institutional buyer" within the meaning of Rule 144A under the Securities Act of 1933, as amended, and that each is aware that the sale to it is being made in reliance on Rule 144A and acknowledges that it has received such information regarding the Company as the undersigned has requested pursuant to Rule 144A or has determined not to request such information and that each is aware that the transferor is relying upon the undersigned's foregoing representations in order to claim the exemption from registration provided by Rule 144A.

Date: _____

NOTICE: To be executed by an
executive officer

- -----
* Guarantor must be a member of the Securities Transfer Agents Medallion Program ("STAMP"), the New York Stock Exchange Medallion Signature Program ("MSP") or the Stock Exchange Medallion Program ("SEMP").

A-10

OPTION OF HOLDER TO ELECT PURCHASE

If you wish to have this Note purchased by the Company pursuant to Section 1010 or 1017 of the Indenture, check the Box: ?

If you wish to have a portion of this Note purchased by the Trust pursuant to Section 1010 or 1017 of the Indenture, state the amount (in original principal amount) below:

\$ _____.

Date: _____

Your Signature: _____
(Sign exactly as your name appears on the other side of this Note)

Signature Guarantee*: _____

- -----
* Guarantor must be a member of the Securities Transfer Agents Medallion Program ("STAMP"), the New York Stock Exchange Medallion Signature Program ("MSP") or the Stock Exchange Medallion Program ("SEMP")

EXHIBIT B

Form of Certificate
to Be Delivered upon
Termination of Restricted Period

On or after _____, 1999

First Union National Bank, as Trustee
Corporate Trust
800 East Main Street, 2nd Floor
Richmond, Virginia 23219

Re: Primus Telecommunications Group, Incorporated (the "Company")
11-1/4% [Series B]1 Senior Notes due 2009 (the "Notes")

Ladies and Gentlemen:

This letter relates to \$ _____ principal amount of Notes represented by the global note certificate (the "Offshore Global Note"). Pursuant to Section 201 of the Indenture dated as of January __, 1999 relating to the Notes (the "Indenture"), we hereby certify that (1) we are the beneficial owner of such principal amount of Notes represented by the Offshore Global Note and (2) we are a Non-U.S. Person to whom the Notes could be transferred in accordance with Rule 904 of Regulation S promulgated under the U.S. Securities Act of 1933, as amended ("Regulation S"). Accordingly, you are hereby requested to issue a Offshore Physical Note representing the undersigned's interest in the principal amount of Securities represented by the Offshore Global Note, all in the manner provided by the Indenture.

You and the Company are entitled to rely upon this letter and are irrevocably authorized to produce this letter or a copy hereof to any interested party in any administrative or legal proceeding or official inquiry with respect

to the matters covered hereby. Terms used in this certificate have the meanings set forth in Regulation S.

Very truly yours,

[Name of Holder]

By: _____
Authorized Signature

EXHIBIT C

Form of Certificate to Be
Delivered in Connection with
Transfers to Non-QIB Institutional Accredited Investor

- -----
1 Include for Exchange Notes.

[Date]

Primus Telecommunications Group, Incorporated
c/o First Union National Bank, as Trustee
Corporate Trust
800 East Main Street, 2nd Floor
Richmond, Virginia 23219

Re: Primus Telecommunications Group, Incorporated (the
"Company") 11-1/4% Senior Notes due 2009 (the "Notes")

Ladies and Gentlemen:

In connection with our proposed purchase of \$ _____ aggregate principal amount of the Notes, we confirm that:

1. We have received such information regarding the Company as we deem necessary in order to make our investment decision.

2. We understand that the Notes have not been registered under the Securities Act of 1933, as amended (the "Securities Act"), or any other applicable law; and may not be offered, sold, or otherwise transferred except as permitted in the following sentence. We agree on our own behalf and on behalf of any investor account for which we are purchasing the Notes to offer, sell or otherwise transfer such Notes prior to the date which is two years after the later of the date of original issue and the last date on which the Company or any affiliate of the Company was the owner of such Notes, or any predecessor thereto (the "Resale Restriction Termination Date") only (a) to the Company, (b) pursuant to a registration statement which has been declared effective under the Securities Act, (c) for so long as the Notes are eligible for resale pursuant to Rule 144A under the Securities Act, to a person we reasonably believe is a qualified institutional buyer under Rule 144A (a "QIB") that purchases for its own account or for the account of a QIB and to whom notice is given that the transfer is being made in reliance on Rule 144A, (d) pursuant to offers and sales to non-U.S. persons that occur outside the United States within the meaning of Regulation S under the Securities Act, (e) to an institutional "accredited investor" within the meaning of subparagraph (a) (1), (2), (3) or (7) of Rule 501 of Regulation D under the Securities Act acquiring the Notes for its own account or for the account of such an institutional "accredited investor" for investment purposes and not with a view to, or for offer or sale in connection with, any distribution thereof in violation of the Securities Act or (f) pursuant to any other available exemption from the registration requirements of the Securities Act, subject in each of the foregoing cases to any requirement of law that the disposition of our property and the property of such investor account or accounts be at all times within our or their control and to compliance with any applicable state securities laws. The foregoing restrictions on resale will not apply subsequent to the Resale Restriction Termination Date. If any resale or other transfer of the Notes is proposed to be made pursuant to clause (e) above prior to the Resale Restriction Termination Date, the transferor shall deliver a letter to the Trustee (the "Trustee") under the Indenture pursuant to which the Notes are being issued a letter from the transferee substantially in the form of this letter, which shall

provide, among other things, that the transferee is an institutional "accredited investor" within the meaning of subparagraph (a) (1), (2), (3) or (7) of Rule 501 under the Securities Act and that it is acquiring such Notes for investment purposes and not for distribution in violation of the Securities Act. We acknowledge that the Company and the Trustee reserve the right prior to any offer, sale or other transfer prior to the Resale Restriction Termination Date of the Notes pursuant to clauses (d), (e) and (f) above to require the delivery of an opinion of counsel, certifications and/or other information satisfactory to the Company and the Trustee.

C-3

3. We are an institutional "accredited investor" (as defined in Rule 501(a) (1), (2), (3) or (7) of Regulation D under the Securities Act) purchasing for our own account or for the account of such an institutional "accredited investor," and we are acquiring the Notes for investment purposes and not with a view to, or for offer or sale in connection with, any distribution in violation of the Securities Act, and we have such knowledge and experience in financial and business matters as to be capable of evaluating the merits and risks of our investment in the Notes, and we and any accounts for which we are acting are each able to

bear the economic risk of our or its investment.

4. We are acquiring the Notes purchased by us for our own account or for one or more accounts as to each of which we exercise sole investment discretion.

C-4

5. You are entitled to rely upon this letter and you are irrevocably authorized to produce this letter or a copy hereof to any interested party in any administrative or legal proceeding or official inquiry with respect to the matters covered hereby.

Very truly yours,

By: (NAME OF PURCHASER)
Date:

Upon transfer, the Notes should be registered in the name of the new beneficial owner as follows:

Name: _____

Address: _____

Taxpayer ID Number: _____

EXHIBIT D

Form of Certificate to Be Delivered
in Connection with Transfers
Pursuant to Regulation S

[Date]

First Union National Bank, as Trustee
Corporate Trust
800 East Main Street, 2nd Floor
Richmond, Virginia 23219

Re: Primus Telecommunications Group, Incorporated (the "Company")
____ % Senior Notes due 2009 (the "Notes")

Ladies and Gentlemen:

In connection with our proposed sale of \$_____ aggregate principal amount of Notes, we confirm that such sale has been effected pursuant to and in accordance with Regulation S ("Regulation S") under the Securities Act of 1933, as amended (the "Securities Act"), and accordingly, we hereby certify as follows:

1. The offer of the Notes was not made to a person in the United States (unless such person or the account held by it for which it is acting is excluded from the definition of "U.S. person" pursuant to Rule 902(k)(1) of Regulation S under the circumstances described in Rule 902(k)(2) of Regulation S) or specifically targeted at an identifiable group of U.S. citizens abroad.

2. Either (a) at the time the buy order was originated, the buyer was outside the United States or we and any person acting on our behalf reasonably believed that the buyer was outside the United States or (b) the transaction was executed in, on or through the facilities of a designated offshore securities market, and neither we nor any person acting on our behalf knows that the transaction was pre-arranged with a buyer in the United States.

3. Neither we, any of our affiliates, nor any person acting on our or their behalf has made any directed selling efforts in the United States in contravention of the requirements of Rule 903(a) or Rule 904(a) of Regulation S, as applicable.

4. The proposed transfer of Notes is not part of a plan or scheme to evade the registration requirements of the Securities Act.

D-6

5. If we are a dealer or a person receiving a selling concession or other fee or remuneration in respect of the Notes, and the proposed transfer takes place before the Offshore Note Exchange Date referred to in the Indenture, dated as of January __, 1999, among the Company and the Trustee, or we are an officer or director of the Company or a distributor, we certify that the proposed transfer is being made in accordance with the provisions of Rules 903 and 904(b) of Regulation S.

You and the Company are entitled to rely upon this Certificate and are irrevocably authorized to produce this Certificate or a copy hereof to any interested party in any administrative or legal proceeding or official inquiry with respect to the matters covered hereby. Terms used in this certificate have the meanings set forth in Regulation S.

Very truly yours,

[Name of Transferor]

By: _____
Authorized Signature

EXHIBIT E

Rule 144A Certificate

To: First Union National Bank, as Trustee
Corporate Trust
800 East Main Street, 2nd Floor
Richmond, Virginia 23219
Attention: Corporate Trust Office

Re: Primus Telecommunications Group, Incorporated (the "Company")
11-1/4% Senior Notes due 2009 (the "Notes")

Ladies and Gentlemen:

In connection with our proposed sale of \$_____ aggregate principal amount of Notes, we confirm that such sale has been effected pursuant to and in accordance with Rule 144A ("Rule 144A") under the Securities Act of 1933, as amended (the "Securities Act"). We are aware that the transfer of Notes

to us is being made in reliance on the exemption from the provisions of Section 5 of the Securities Act provided by Rule 144A. If the Company is not subject to Section 13 or 15(d) of the Exchange Act, prior to the date of this Certificate we have been given the opportunity to obtain from the Company the information referred to in Rule 144A(d) (4), and have either declined such opportunity or have received such information.

You and the Company are entitled to rely upon this Certificate and are irrevocably authorized to produce this Certificate or a copy hereof to any interested party in any administrative or legal proceeding or official inquiry with respect to the matters covered hereby.

Very truly yours,

[NAME OF PURCHASER]

By: _____

Name:

Title:

Address:

Date of this Certificate: _____, _____

Subsidiaries of the Registrant
As of December 31, 1998

Subsidiary	Jurisdiction of Incorporation
Primus Telecommunications, Inc.	Delaware
Primus Telecommunications International, Inc	Delaware
Primus Telecommunications, Ltd.	United Kingdom
Primus Telecommunications de Mexico, S.A. de C.V.	Mexico
Primus Telecommunications Pty., Ltd.	Australia
Primus Telecommunications (Australia) Pty., Ltd. (formerly known as Axicorp Pty., Ltd.)	Australia
3362426 Canada Inc. d/b/a Primus Canada	Canada
Primus Telecommunications Netherlands B.V.	Netherlands
Primus Telecommunications SA	France
Primus Telecommunications Deutschland GmbH	Germany
Primus TeleCom A/S	Denmark
Primus Telecomunicaciones SA	Spain
Primus Telecommunications AG	Switzerland
Primus Telecommunications SRL	Italy
PremierSource International L.L.C.	Delaware
Primus Telecommunications K.K	Japan
Primus Japan K.K.	Japan
Eclipse Data Services Pty., Ltd.	Australia
Hotkey Internet Services Pty., Ltd.	Australia
Telepassport Network K.K.	Japan
Rate Reduction Center, Inc.	Florida
Least Cost Routing, Inc.	Florida
Rockwell Communications Corporation	Florida
Intex Telecommunications, Inc.	South Carolina
TresCom International, Inc.	Florida
TresCom Network Services, Inc.	Florida
TresCom U.S.A., Inc.	Florida
Global Telephone Holding, Inc.	U.S. Virgin Islands
InterIsland Telephone Corp.	U.S. Virgin Islands
The St. Thomas and San Juan Telephone Company, Inc.	U.S. Virgin

STSJ Overseas Telephone Company, Inc.

OTC Network Assets, Inc.

Puerto Rico Telecom Corporation

STSJ Network Assets, Inc.

Islands

Puerto Rico

Puerto Rico

New York

U.S. Virgin
Islands

Independent Auditor's Consent

INDEPENDENT AUDITORS' CONSENT

We consent to the incorporation by reference in the Registration Statements of Primus Telecommunications Group, Incorporated (the "Company") on Form S-8 (Nos. 333-35005, 333-56557, and 333-73003) of our report dated February 10, 1999, except for paragraph one of note 16 as to which the date is March 31, 1999, appearing in the Company's Annual Report on Form 10-K for the year ended December 31, 1998.

DELOITTE & TOUCHE LLP
Washington, DC
March 31, 1999

<ARTICLE>

5

<LEGEND>

THIS SCHEDULE CONTAINS SUMMARY INFORMATION EXTRACTED FROM THE BALANCE SHEET OF PRIMUS TELECOMMUNICATIONS GROUP, INCORPORATED AT DECEMBER 31, 1998 AND THE INCOME STATEMENT FOR THE YEAR ENDED DECEMBER 31, 1998 AND IS QUALIFIED IN ITS ENTIRETY BY REFERENCE TO SUCH FINANCIAL STATEMENTS

</LEGEND>

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