

OMB No. 0651-0011 (exp. 4/94)



Tab settings

To the Honorable Commissioner of P.

101984514

Attached original documents or copy thereof.

1. Name of conveying party(ies):

LOOKING GLASS NETWORKS HOLDING CO., INC.
1111 WEST 22ND STREET, SUITE 600
OAK BROOK, IL 60523

- Individual(s)
- General Partnership
- Corporation-State
- Other
- Association
- Limited Partnership

2/15/02

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: April 23, 2001

2. Name and address of receiving party(ies)

Name: The Chase Manhattan Bank,
as Collateral Agent

Internal Address:

Street Address: 270 Park Avenue

City: New York State: NY ZIP: 10017

- Individual(s) citizenship
- Association
- General Partnership
- Limited Partnership
- Corporation-State
- Other

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No

(Designations must be a separate document from assignment)

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

A. Trademark Application No.(s)

B. Trademark Registration No.(s)

SEE ATTACHED

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Penelope Agodoa

Internal Address: Federal Research Corporation

Street Address: 400 Seventh Street, NW,

Suite 101

City: Washington State: DC ZIP: 20004

02/19/2002 6TON11 00000045 76052027

01 FC:481
02 FC:482

40.00 DP
25.00 OP

DO NOT USE THIS SPACE

6. Total number of applications and registrations involved: 2

7. Total fee (37 CFR 3.41).....\$ 65.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Oghale Jituboh
Name of Person Signing

Oghale Jituboh
Signature

February 13, 2002

Date

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

TRADEMARK
REEL: 002444 FRAME: 0173

SCHEDULE V TO SECURITY AGREEMENT**TRADEMARKS****United States Pending and Registered Trademarks**

Mark	Country	Filed	US TM/SM App. Serial #	Status	Classes
Looking Glass (word mark)	USA	5.19.00	76/052,027	Pending	09; 37; 38; 42
Looking Glass Networks, Inc (& DESIGN)	USA	6.26.00	76/077,844	Pending	09; 37; 38; 42

Foreign Pending and Registered Trademarks

Mark	Country	Filed	TM/SM App. Serial #	Status	Classes
Looking Glass Networks, Inc. (& DESIGN)	European Union (CTM)	11.10.00 (claiming priority to 6.26.00)	TBA	Pending	09; 37; 38; 42
Looking Glass Networks, Inc. (& DESIGN)	Canada	11.9.00 (claiming priority to 6.26.00)			

SECURITY AGREEMENT dated as of April 23, 2001, among Looking Glass Networks Holding Co., Inc., a Delaware corporation (the "Parent"), Looking Glass Networks, Inc., a Delaware corporation (the "Borrower"), each subsidiary of the Parent listed on Schedule I hereto (each such subsidiary individually a "*Subsidiary Guarantor*" and collectively, the "*Subsidiary Guarantors*"; the Subsidiary Guarantors, the Borrower and the Parent are referred to collectively herein as the "*Grantors*") and The Chase Manhattan Bank, a New York banking corporation ("*Chase*"), as collateral agent (in such capacity, the "*Collateral Agent*") for the Secured Parties (as defined herein).

Reference is made to the Credit Agreement dated as of February 27, 2001 (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement"), among the Borrower, the Parent, the lenders from time to time party thereto (the "*Lenders*"), The Chase Manhattan Bank, as administrative agent and collateral agent for the Lenders (in such capacities, the "*Administrative Agent*" and the "*Collateral Agent*", respectively), and as issuing bank (in such capacity, the "*Issuing Bank*") and (b) the Guarantee Agreement dated as of April 23, 2001 (as amended, supplemented or otherwise modified from time to time ("*Guarantee Agreement*"), among the Parent, the Subsidiary Guarantors and the Collateral Agent.

The Lenders and the Swingline Lender have agreed to make Loans and Swingline Loans to the Borrower and the Issuing Bank has agreed to issue Letters of Credit for the account of the Borrower, pursuant to, and upon the terms and subject to the conditions specified in, the Credit Agreement. The obligations of the Lenders to make Loans and of the Issuing Bank to issue Letters of Credit are conditioned upon, among other things, the execution and delivery by the Grantors of an agreement in the form hereof to secure all of the Secured Obligations.

Accordingly, the Grantors and the Collateral Agent, on behalf of itself and each Secured Party (and each of their respective successors or assigns), hereby agree as follows:

ARTICLE I

Definitions

SECTION 1.01. Definition of Terms Used Herein. Unless the context otherwise requires, all capitalized terms used but not defined herein shall have the meanings set forth in the Credit Agreement and all references to the Uniform Commercial Code shall mean the Uniform Commercial Code in effect in the State of New York as of the date hereof.

SECTION 1.02. Definition of Certain Terms Used Herein. As used herein, the following terms shall have the following meanings:

"Account Debtor" shall mean any person who is or who may become obligated to any Grantor under, with respect to or on account of an Account.

"Accounts" shall mean any and all right, title and interest of any Grantor to payment for goods and services sold or leased, including any such right evidenced by chattel paper, whether due or to become due, whether or not it has been earned by performance, and whether now or hereafter acquired or arising in the future, including accounts receivable from Affiliates of the Grantors.

TRADEMARK

REEL: 002444 FRAME: 0175

"Accounts Receivable" shall mean all Accounts and all right, title and interest in any returned goods, together with all rights, titles, securities and guarantees with respect thereto, including any rights to stoppage in transit, replevin, reclamation and resales, and all related security interests, liens and pledges, whether voluntary or involuntary, in each case whether now existing or owned or hereafter arising or acquired, including the Liens and security interests granted pursuant to the Security Agreement.

"Collateral" shall mean all (a) Accounts Receivable, (b) Documents, (c) Equipment, (d) General Intangibles, (e) Inventory, (f) cash and cash accounts, (g) Investment Property, (h) Subscription Agreements (other than the LLC Agreement) and (i) Proceeds; provided however, that Collateral shall not include Excluded Collateral.

"Commodity Account" shall mean an account maintained by a Commodity Intermediary in which a Commodity Contract is carried out for a Commodity Customer.

"Commodity Contract" shall mean a commodity futures contract, an option on a commodity futures contract, a commodity option or any other contract that, in each case, is (a) traded on or subject to the rules of a board of trade that has been designated as a contract market for such a contract pursuant to the federal commodities laws or (b) traded on a foreign commodity board of trade, exchange or market, and is carried on the books of a Commodity Intermediary for a Commodity Customer.

"Commodity Customer" shall mean a person for whom a Commodity Intermediary carries a Commodity Contract on its books.

"Commodity Intermediary" shall mean (a) a person who is registered as a futures commission merchant under the federal commodities laws or (b) a person who in the ordinary course of its business provides clearance or settlement services for a board of trade that has been designated as a contract market pursuant to federal commodities laws.

"Copyright License" shall mean any written agreement, now or hereafter in effect, granting any right to any third party under any Copyright now or hereafter owned by any Grantor or which such Grantor otherwise has the right to license, or granting to any Grantor the right to use any Copyright now or hereafter owned by any third party, and all rights of such Grantor under any such agreement.

"Copyrights" shall mean all of the following now owned or hereafter acquired by any Grantor: (a) all copyright rights in any work subject to the copyright laws of the United States or any other country, whether as author, assignee, transferee or otherwise, and (b) all registrations and applications for registration of any such copyright in the United States or any other country, including registrations, recordings, supplemental registrations and pending applications for registration in the United States Copyright Office, including those listed on Schedule II.

"Credit Agreement" shall have the meaning assigned to such term in the preliminary statement of this Agreement.

"Designated Hedging Agreement" shall mean any Hedging Agreement designated by the Borrower as a secured obligation under the Security Agreement or set forth on Schedule VI attached hereto, as such Schedule may be modified from time to time.

"Documents" shall mean all instruments, files, records, ledger sheets and documents covering or relating to any of the Collateral.

"Entitlement Holder" shall mean a person identified in the records of a Securities Intermediary as the person having a Security Entitlement against the Securities Intermediary. If a person acquires a Security Entitlement by virtue of Section 8-501(b)(2) or (3) of the Uniform Commercial Code, such person is the Entitlement Holder.

"Equipment" shall mean all equipment, furniture and furnishings, and all tangible personal property similar to any of the foregoing, including tools, parts and supplies of every kind and description, and all improvements, accessions or appurtenances thereto, that are now or hereafter owned by any Grantor. The term Equipment shall include Fixtures.

"Excluded Collateral" shall mean (i) Equipment subject to a capitalized lease or purchase money Lien permitted under the Credit Agreement that prohibits the granting of any other Lien on such Equipment; provided that such Equipment shall become Collateral upon release of such capitalized lease or purchase money Lien, (ii) property subject to a Lien permitted by Sections 6.03(iii) or 6.03(iv) of the Credit Agreement if an agreement relating to such Lien prohibits the granting of any other Lien on such property; provided that such property shall become Collateral upon release of such permitted Liens and (iii) any Fixtures attached to real property that is subject to a Lien permitted by the Credit Agreement.

"Financial Asset" shall mean (a) a Security, (b) an obligation of a person or a share, participation or other interest in a person or in property or an enterprise of a person, which is, or is of a type, dealt with in or traded on financial markets, or which is recognized in any area in which it is issued or dealt in as a medium for investment or (c) any property that is held by a Securities Intermediary for another person in a Securities Account if the Securities Intermediary has expressly agreed with the other person that the property is to be treated as a Financial Asset under Article 8 of the Uniform Commercial Code. As the context requires, the term Financial Asset shall mean either the interest itself or the means by which a person's claim to it is evidenced, including a certificated or uncertificated Security, a certificate representing a Security or a Security Entitlement.

"Fixtures" shall mean all items of Equipment, whether now owned or hereafter acquired, of any Grantor that become so related to particular real estate that an interest in them arises under any real estate law applicable thereto.

"General Intangibles" shall mean all causes in action and causes of action and all other assignable intangible personal property of any Grantor of every kind and nature (other than Accounts Receivable) now owned or hereafter acquired by any Grantor, including all rights and interests in partnerships, limited partnerships, limited liability companies and other unincorporated entities, corporate or other business records, indemnification claims, contract rights (including rights under leases, whether entered into as lessor or lessee, Hedging

Agreements and other agreements), Intellectual Property, goodwill, registrations, franchises, tax refund claims and any letter of credit, guarantee, claim, security interest or other security held by or granted to any Grantor to secure payment by an Account Debtor of any of the Accounts Receivable.

"Intellectual Property" shall mean all intellectual and similar property of any Grantor of every kind and nature now owned or hereafter acquired by any Grantor, including inventions, designs, Patents, Copyrights, Licenses, Trademarks, trade secrets, confidential or proprietary technical and business information, know-how or other data or information, software and databases and all embodiments or fixations thereof and related documentation, registrations and franchises, and all additions, improvements and accessions to, and books and records describing or used in connection with, any of the foregoing.

"Inventory" shall mean all goods of any Grantor, whether now owned or hereafter acquired, held for sale or lease, or furnished or to be furnished by any Grantor under contracts of service, or consumed in any Grantor's business, including raw materials, intermediates, work in process, packaging materials, finished goods, semi-finished inventory, scrap inventory, manufacturing supplies and spare parts, and all such goods that have been returned to or repossessed by or on behalf of any Grantor.

"Investment Property" shall mean all Securities (whether certificated or uncertificated), Security Entitlements, Securities Accounts, Commodity Contracts and Commodity Accounts of any Grantor, whether now owned or hereafter acquired by any Grantor.

"License" shall mean any Patent License, Trademark License, Copyright License or other license or sublicense relating to Intellectual Property to which any Grantor is a party, including those listed on Schedule III (other than those license agreements in existence on the date hereof and listed on Schedule III and those license agreements entered into after the date hereof, which by their terms prohibit assignment or a grant of a security interest by such Grantor as licensee thereunder).

"Patent License" shall mean any written agreement, now or hereafter in effect, granting to any third party any right to make, use or sell any invention on which a Patent, now or hereafter owned by any Grantor or which any Grantor otherwise has the right to license, is in existence, or granting to any Grantor any right to make, use or sell any invention on which a Patent, now or hereafter owned by any third party, is in existence, and all rights of any Grantor under any such agreement.

"Patents" shall mean all of the following now owned or hereafter acquired by any Grantor: (a) all letters patent of the United States or any other country, all registrations and recordings thereof, and all applications for letters patent of the United States or any other country, including registrations, recordings and pending applications in the United States Patent and Trademark Office or any similar offices in any other country, including those listed on Schedule IV, and (b) all reissues, continuations, divisions, continuations-in-part, renewals or extensions thereof, and the inventions disclosed or claimed therein, including the right to make, use and/or sell the inventions disclosed or claimed therein.

"Perfection Certificate" shall mean a certificate substantially in the form of Exhibit I to the Credit Agreement, completed and supplemented with the schedules and attachments contemplated thereby, and duly executed by a Financial Officer and the chief legal officer of the Borrower.

"Proceeds" shall mean any consideration received from the sale, exchange, license, lease or other disposition of any asset or property that constitutes Collateral, any value received as a consequence of the possession of any Collateral and any payment received from any insurer or other person or entity as a result of the destruction, loss, theft, damage or other involuntary conversion of whatever nature of any asset or property which constitutes Collateral, and shall include any claim of any Grantor against any third party for (and the right to sue and recover for and the rights to damages or profits due or accrued arising out of or in connection with) (i) past, present or future infringement of any Patent now or hereafter owned by any Grantor, or licensed under a Patent License, (ii) past, present or future infringement or dilution of any Trademark now or hereafter owned by any Grantor or licensed under a Trademark License or injury to the goodwill associated with or symbolized by any Trademark now or hereafter owned by any Grantor, (iii) past, present or future breach of any License and (iv) past, present or future infringement of any Copyright now or hereafter owned by any Grantor or licensed under a Copyright License and (c) any and all other amounts from time to time paid or payable under or in connection with any of the Collateral.

"Secured Obligations" shall mean (i) the due and punctual payment by the Borrower of (A) the principal of and premium, if any, and interest (including interest accruing during the pendency of any bankruptcy, insolvency, receivership or other similar proceeding, regardless of whether allowed or allowable in such proceeding) on the Loans and the Swingline Loans, when and as due, whether at maturity, by acceleration, upon one or more dates set for prepayment or otherwise, (B) each payment required to be made by the Borrower under the Credit Agreement in respect of any Letter of Credit, when and as due, including payments in respect of reimbursement of disbursements, interest thereon and obligations to provide cash collateral and (C) all other monetary obligations, including fees, costs, expenses and indemnities, whether primary, secondary, direct, contingent, fixed or otherwise (including monetary obligations incurred during the pendency of any bankruptcy, insolvency, receivership or other similar proceeding, regardless of whether allowed or allowable in such proceeding), of the Borrower to the Secured Parties under the Credit Agreement or the other Loan Documents, (ii) the due and punctual performance of all covenants, agreements, obligations and liabilities of the Parent, the Borrower and the other Loan Parties under or pursuant to the Credit Agreement, this Agreement and the other Loan Documents (including the obligations of each Grantor other than the Borrower under the Guarantee Agreement) and (iii) the due and punctual payment and performance of all obligations of any Loan Party under each Designated Hedging Agreement entered into with a counterparty that was a Lender (or an Affiliate of a Lender) at the time such Designated Hedging Agreement was entered into (or, if later, on the date of the Credit Agreement).

"Secured Parties" shall mean (a) the Lenders, (b) the Swingline Lender, (c) the Administrative Agent, (d) the Collateral Agent, (e) the Issuing Bank, (f) each counterparty to a Designated Hedging Agreement entered into with a Loan Party if such counterparty was a Lender (or an Affiliate thereof) at the time the Hedging Agreement was entered into (or, if later,

on the date of the Credit Agreement), (g) the beneficiaries of each indemnification obligation undertaken by any Grantor under any Loan Document and (h) the successors and assigns of each of the foregoing.

"Securities" shall mean any obligations of an issuer or any shares, participations or other interests in an issuer or in property or an enterprise of an issuer which (a) are represented by a certificate representing a security in bearer or registered form, or the transfer of which may be registered upon books maintained for that purpose by or on behalf of the issuer, (b) are one of a class or series or by its terms is divisible into a class or series of shares, participations, interests or obligations and (c)(i) are, or are of a type, dealt with or traded on securities exchanges or securities markets or (ii) are a medium for investment and by their terms expressly provide that they are a security governed by Article 8 of the Uniform Commercial Code.

"Securities Account" shall mean an account to which a Financial Asset is or may be credited in accordance with an agreement under which the person maintaining the account undertakes to treat the person for whom the account is maintained as entitled to exercise rights that comprise the Financial Asset.

"Security Entitlements" shall mean the rights and property interests of an Entitlement Holder with respect to a Financial Asset.

"Security Interest" shall have the meaning assigned to such term in Section 2.01.

"Securities Intermediary" shall mean (a) a clearing corporation or (b) a person, including a bank or broker, that in the ordinary course of its business maintains securities accounts for others and is acting in that capacity.

"Subscription Agreements" means, collectively, the LLC Agreement and the Stock Purchase Agreement, in each case as amended and in effect from time to time.

"Trademark License" shall mean any written agreement, now or hereafter in effect, granting to any third party any right to use any Trademark now or hereafter owned by any Grantor or which any Grantor otherwise has the right to license, or granting to any Grantor any right to use any Trademark now or hereafter owned by any third party, and all rights of any Grantor under any such agreement.

"Trademarks" shall mean all of the following now owned or hereafter acquired by any Grantor: (a) all trademarks, service marks, trade names, corporate names, company names, business names, fictitious business names, trade styles, trade dress, logos, other source or business identifiers, designs and general intangibles of like nature, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and all registration and recording applications filed in connection therewith, including registrations and pending applications in the United States Patent and Trademark Office, any State of the United States or any similar offices in any other country or any political subdivision thereof, and all extensions or renewals thereof, including those listed on Schedule V except for "Intent to Use" applications for Trademark or Service Mark registrations filed pursuant to Section 1(b) of the Lanham Act, unless and until an Amendment to Allege Use or a Statement of Use under Section 1(c) and 1(d) of said Act has

been filed, (b) all goodwill associated therewith or symbolized thereby and (c) all other assets, rights and interests that uniquely reflect or embody such goodwill.

SECTION 1.03. Rules of Interpretation. The rules of interpretation specified in Sections 1.03 and 1.04 of the Credit Agreement shall be applicable to this Agreement.

ARTICLE II.

Security Interest

SECTION 2.01. (a) Security Interest. As security for the payment or performance, as the case may be, in full of the Secured Obligations (including the obligations of each Grantor other than the Borrower under the Guarantee Agreement), each Grantor hereby bargains, sells, conveys, assigns, sets over, mortgages, pledges, hypothecates and transfers to the Collateral Agent, its successors and assigns, for the ratable benefit of the Secured Parties, and hereby grants to the Collateral Agent, its successors and assigns, for the ratable benefit of the Secured Parties, a security interest in, all of the right, title and interest in, to and under the Collateral (the "Security Interest"). Without limiting the foregoing, the Collateral Agent is hereby authorized to file one or more financing statements (including fixture filings), continuation statements, filings with the United States Patent and Trademark Office or United States Copyright Office (or any successor office or any similar office in any other country) or other documents for the purpose of perfecting, confirming, continuing, enforcing or protecting the Security Interest granted by each Grantor, without the signature of any Grantor, and naming any Grantor or the Grantors as debtors and the Collateral Agent as secured party.

(b) The Collateral shall not include (i) any contract, lease or license, which by its terms validly prohibits the granting of a security interest therein unless a consent to the pledge hereunder has been obtained, provided that each Grantor will use (and hereby agrees to use) commercially reasonable best efforts (which will not include the payment of any consideration or the making of any concession other than those deemed nominal by the Grantor) to obtain any consent necessary thereunder (or to include appropriate provisions therein) to permit the pledge hereunder of any such contract, lease or license (but excluding any other contract, lease or license of immaterial value); provided further, that the foregoing limitation shall not affect, limit, restrict or impair the grant by such Grantor of a security interest pursuant to this Agreement in any such Collateral to the extent that an otherwise applicable prohibition on such grant is rendered ineffective by the Uniform Commercial Code or other applicable law or (ii) any asset not required under Section 5.13 of the Credit Agreement to constitute collateral.

SECTION 2.02. No Assumption of Liability. The Security Interest is granted as security only and shall not subject the Collateral Agent or any other Secured Party to, or in any way alter or modify, any obligation or liability of any Grantor with respect to or arising out of the Collateral.

ARTICLE III.

Representations and Warranties

The Grantors represent and warrant to the Collateral Agent and the Secured Parties that:

SECTION 3.01. Title and Authority. Each Grantor has good and valid rights in and title to the Collateral with respect to which it has purported to grant a Security Interest hereunder and has full power and authority to grant to the Collateral Agent the Security Interest in such Collateral pursuant hereto and to execute, deliver and perform its obligations in accordance with the terms of this Agreement, without the consent or approval of any other person other than any consent or approval which has been obtained.

SECTION 3.02. Filings. (a) The Perfection Certificate has been duly prepared, completed and executed and the information set forth therein is correct and complete. Fully executed Uniform Commercial Code financing statements (including fixture filings, as applicable) or other appropriate filings, recordings or registrations containing a description of the Collateral have been delivered to the Collateral Agent for filing in each United States governmental, municipal or other office specified in Schedule 6 to the Perfection Certificate, which are all the filings, recordings and registrations (other than filings required to be made in the United States Patent and Trademark Office and the United States Copyright Office in order to perfect the Security Interest in Collateral consisting of United States Patents, Trademarks and Copyrights) that are necessary to publish notice of and protect the validity of and to establish a legal, valid and perfected security interest in favor of the Collateral Agent (for the ratable benefit of the Secured Parties) in respect of all Collateral in which the Security Interest may be perfected by filing, recording or registration in the United States (or any political subdivision thereof) and its territories and possessions, and no further or subsequent filing, refile, recording, rerecording, registration or reregistration is necessary in any such jurisdiction, except as provided under applicable law with respect to the filing of continuation statements.

(b) Each Grantor represents and warrants that fully executed security agreements in the form hereof or in a form appropriate for filing with the appropriate office, to the satisfaction of the Collateral Agent, with respect to United States Patents and United States registered Trademarks (and Trademarks for which United States registration applications are pending) and United States registered Copyrights have been delivered to the Collateral Agent for recording by the United States Patent and Trademark Office and the United States Copyright Office pursuant to 35 U.S.C. § 261, 15 U.S.C. § 1060 or 17 U.S.C. § 205 and the regulations thereunder, as applicable, and otherwise as may be required pursuant to the laws of any other necessary jurisdiction, to protect the validity of and to establish a legal, valid and perfected security interest in favor of the Collateral Agent (for the ratable benefit of the Secured Parties) in respect of all Collateral consisting of Patents, Trademarks and Copyrights in which a security interest may be perfected by filing, recording or registration in the United States (or any political subdivision thereof) and its territories and possessions, or in any other necessary jurisdiction, and no further or subsequent filing, refile, recording, rerecording, registration or reregistration is necessary (other than such actions as are necessary to perfect the Security Interest with respect to

any Collateral consisting of Patents, Trademarks and Copyrights (or registration or application for registration thereof) acquired or developed after the date hereof).

SECTION 3.03. Validity of Security Interest. The Security Interest constitutes (a) a legal and valid security interest in all the Collateral securing the payment and performance of the Secured Obligations, (b) subject to the filings described in Section 3.02 above, a perfected security interest in all Collateral in which a security interest may be perfected by filing, recording or registering a financing statement or analogous document in the United States (or any political subdivision thereof) and its territories and possessions pursuant to the Uniform Commercial Code or other applicable law in such jurisdictions (except as to vehicles) and (c) a security interest that shall be perfected in all Collateral in which a security interest may be perfected upon the receipt and recording of this Agreement with the United States Patent and Trademark Office and the United States Copyright Office, as applicable. The Security Interest is and shall be prior to any other Lien on any of the Collateral, other than Liens expressly permitted to be prior to the Security Interest pursuant to Section 6.03 of the Credit Agreement.

SECTION 3.04. Absence of Other Liens. The Collateral is owned by the Grantors free and clear of any Lien, except for Liens expressly permitted pursuant to Section 6.03 of the Credit Agreement. The Grantor has not filed or consented to the filing of (a) any financing statement or analogous document under the Uniform Commercial Code or any other applicable laws covering any Collateral, (b) any assignment in which any Grantor assigns any Collateral or any security agreement or similar instrument covering any Collateral with the United States Patent and Trademark Office or the United States Copyright Office or (c) any assignment in which any Grantor assigns any Collateral or any security agreement or similar instrument covering any Collateral with any foreign governmental, municipal or other office, which financing statement or analogous document, assignment, security agreement or similar instrument is still in effect, except, in each case, for Liens expressly permitted pursuant to Section 6.03 of the Credit Agreement.

ARTICLE IV.

Covenants

SECTION 4.01. Change of Name; Location of Collateral; Records; Place of Business. (a) Each Grantor agrees promptly to notify the Collateral Agent in writing of any change (i) in its corporate name, (ii) in the location of its chief executive office, its principal place of business, any office in which it maintains books or records relating to Collateral owned by it or any office or facility at which Collateral (other than real property and improvements and fixtures thereto) owned by it with a book value in excess of \$250,000 is located (including the establishment of any such new office or facility), (iii) in its identity, corporate structure or jurisdiction of incorporation or organization or (iv) in its Federal Taxpayer Identification Number. Each Grantor agrees not to effect or permit any change referred to in the preceding sentence unless all filings have been made under the Uniform Commercial Code or otherwise that are required in order for the Collateral Agent to continue at all times following such change to have a valid, legal and perfected first priority security interest in all the Collateral. Each Grantor agrees promptly to notify the Collateral Agent if any material portion of the Collateral owned or held by such Grantor is damaged or destroyed.

(b) Each Grantor agrees to maintain, at its own cost and expense, such complete and accurate records with respect to the Collateral as is consistent with its current practices and in accordance with such prudent and standard practices used in industries that are the same as or similar to those in which such Grantor is engaged, but in any event to include complete accounting records indicating all payments and proceeds received with respect to any part of the Collateral, and, at such time or times as the Collateral Agent may reasonably request, promptly to prepare and deliver to the Collateral Agent a duly certified schedule or schedules in form and detail satisfactory to the Collateral Agent showing the identity, amount and location of any and all Collateral.

SECTION 4.02. Periodic Certification. Each year, at the time of delivery of annual financial statements with respect to the preceding fiscal year pursuant to Section 5.01 of the Credit Agreement, the Borrower shall deliver to the Collateral Agent a certificate executed by a Financial Officer and a legal officer of the Borrower (a) setting forth the information required pursuant to Section 2 of the Perfection Certificate or confirming that there has been no change in such information since the date of such certificate or the date of the most recent certificate delivered pursuant to Section 4.02 and (b) certifying that all Uniform Commercial Code financing statements (including fixture filings, as applicable) or other appropriate filings, recordings or registrations, including all refilings, rerecordings and reregistrations, containing a description of the Collateral have been filed of record in each governmental, municipal or other appropriate office in each jurisdiction identified pursuant to clause (a) above to the extent necessary to protect and perfect the Security Interest for a period of not less than 18 months after the date of such certificate (except as noted therein with respect to any continuation statements to be filed within such period). Each certificate delivered pursuant to this Section 4.02 shall identify in the format of Schedule II, III, IV or V, as applicable, all Intellectual Property of any Grantor in existence on the date thereof and not then listed on such Schedules or previously so identified to the Collateral Agent.

SECTION 4.03. Protection of Security. Each Grantor shall, at its own cost and expense, take any and all actions necessary to defend title to the Collateral against all persons and to defend the Security Interest of the Collateral Agent in the Collateral and the priority thereof against any Lien not expressly permitted pursuant to Section 6.03 of the Credit Agreement.

SECTION 4.04. Further Assurances. Each Grantor agrees, at its own expense, to execute, acknowledge, deliver and cause to be duly filed all such further instruments and documents and take all such actions as the Collateral Agent may from time to time request to better assure, preserve, protect and perfect the Security Interest and the rights and remedies created hereby, including the payment of any fees and taxes required in connection with the execution and delivery of this Agreement, the granting of the Security Interest and the filing of any financing statements (including fixture filings) or other documents in connection herewith or therewith. If any amount payable under or in connection with any of the Collateral shall be or become evidenced by any promissory note or other instrument, such note or instrument shall be immediately pledged and delivered to the Collateral Agent, duly endorsed in a manner satisfactory to the Collateral Agent. Each Grantor further agrees that it will not take any action or permit any action to be taken that would cause any membership interest in a limited liability company or partnership interest pledged hereunder to become a "security" as defined in Article 8

of the Uniform Commercial Code of any State or the District of Columbia, unless such membership interest or partnership interest has been certificated and pledged to the Collateral Agent pursuant to the Pledge Agreement.

Without limiting the generality of the foregoing, each Grantor hereby authorizes the Collateral Agent, with prompt notice thereof to the Grantors, to supplement this Agreement by supplementing Schedule II, III, IV or V hereto or adding additional schedules hereto to specifically identify any asset or item that may constitute Copyrights, Licenses, Patents or Trademarks; provided, however, that any Grantor shall have the right, exercisable within 10 days after it has been notified by the Collateral Agent of the specific identification of such Collateral, to advise the Collateral Agent in writing of any inaccuracy of the representations and warranties made by such Grantor hereunder with respect to such Collateral. Each Grantor agrees that it will use its reasonable best efforts to take such action as shall be necessary in order that all representations and warranties hereunder shall be true and correct with respect to such Collateral within 30 days after the date it has been notified by the Collateral Agent of the specific identification of such Collateral.

SECTION 4.05. Inspection and Verification. The Collateral Agent and such persons as the Collateral Agent may reasonably designate shall have the right, at the Grantors' own cost and expense, to inspect the Collateral, all records related thereto (and to make extracts and copies from such records) and the premises upon which any of the Collateral is located, to discuss the Grantors' affairs with the officers of the Grantors and, upon an Event of Default, with their independent accountants and to verify under reasonable procedures the validity, amount, quality, quantity, value, condition and status of, or any other matter relating to, the Collateral, including, in the case of Accounts or Collateral in the possession of any third person, by contacting Account Debtors or the third person possessing such Collateral for the purpose of making such a verification. The Collateral Agent shall have the absolute right to share any information it gains from such inspection or verification with any Secured Party (it being understood that any such information shall be deemed to be "Information" subject to the provisions of Section 9.12 of the Credit Agreement).

SECTION 4.06. Taxes; Encumbrances. At its option, the Collateral Agent may discharge past due taxes, assessments, charges, fees, Liens, security interests or other encumbrances at any time levied or placed on the Collateral and not permitted pursuant to Sections 5.05 and 6.03 of the Credit Agreement, and may pay for the maintenance and preservation of the Collateral to the extent any Grantor fails to do so as required by the Credit Agreement or this Agreement, and each Grantor agrees to reimburse the Collateral Agent on demand for any payment made or any expense incurred by the Collateral Agent pursuant to the foregoing authorization; provided, however, that nothing in this Section 4.06 shall be interpreted as excusing any Grantor from the performance of, or imposing any obligation on the Collateral Agent or any Secured Party to cure or perform, any covenants or other promises of any Grantor with respect to taxes, assessments, charges, fees, liens, security interests or other encumbrances and maintenance as set forth herein or in the other Loan Documents.

SECTION 4.07. Assignment of Security Interest. If at any time any Grantor shall take a security interest in any property of an Account Debtor or any other person to secure payment and performance of an Account, such Grantor shall promptly assign such security

interest to the Collateral Agent. Such assignment need not be filed of public record unless necessary to continue the perfected status of the security interest against creditors of and transferees from the Account Debtor or other person granting the security interest.

SECTION 4.08. Continuing Obligations of the Grantors. Each Grantor shall remain liable to observe and perform all the conditions and obligations to be observed and performed by it under each contract, agreement or instrument relating to the Collateral, all in accordance with the terms and conditions thereof, and each Grantor agrees to indemnify and hold harmless the Collateral Agent and the Secured Parties from and against any and all liability for such performance.

SECTION 4.09. Use and Disposition of Collateral. (a) None of the Grantors shall make or permit to be made a pledge or hypothecation of the Collateral or shall grant any other Lien in respect of the Collateral, except as expressly permitted by Section 6.03 of the Credit Agreement. None of the Grantors shall make or permit to be made any assignment or transfer of the Collateral and each Grantor shall remain at all times in possession of the Collateral owned by it, except that (a) Inventory may be sold in the ordinary course of business and (b) unless and until an Event of Default shall have occurred and be continuing, the Grantors may use and dispose of the Collateral in any lawful manner not inconsistent with the provisions of this Agreement, the Credit Agreement or any other Loan Document. Without limiting the generality of the foregoing, the Grantors agree that they shall not, at any time after the Initial Borrowing Date (or such later date as the Collateral Agent may agree), permit any Inventory having an aggregate value of more than \$5,000,000 to be in the possession or control of any warehouseman, bailee, agent or processor at any time unless such warehouseman, bailee, agent or processor shall have been notified of the Security Interest and shall have agreed in writing to hold the Inventory subject to the Security Interest and the instructions of the Collateral Agent.

(b) Inventory and telecommunication fiber consisting of irrevocable rights to use fiber or network capacity may be sold in the ordinary course of business.

SECTION 4.10. Limitation on Modification of Accounts. None of the Grantors will, without the Collateral Agent's prior written consent, grant any extension of the time of payment of any of the Accounts Receivable, compromise, compound or settle the same for less than the full amount thereof, release, wholly or partly, any person liable for the payment thereof or allow any credit or discount whatsoever thereon, other than extensions, credits, discounts, compromises or settlements granted or made in the ordinary course of business and consistent with its good faith business judgment.

SECTION 4.11. Insurance. The Grantors, at their own expense, shall maintain or cause to be maintained insurance covering physical loss or damage to the Inventory and Equipment in accordance with Section 5.07 of the Credit Agreement. Each Grantor irrevocably makes, constitutes and appoints the Collateral Agent (and all officers, employees or agents designated by the Collateral Agent) as such Grantor's true and lawful agent (and attorney-in-fact) for the purpose, during the continuance of an Event of Default, of making, settling and adjusting claims in respect of Collateral under policies of insurance, endorsing the name of such Grantor on any check, draft, instrument or other item of payment for the proceeds of such policies of insurance and for making all determinations and decisions with respect thereto. In the event that

any Grantor at any time or times shall fail to obtain or maintain any of the policies of insurance required hereby or to pay any premium in whole or part relating thereto, the Collateral Agent may, without waiving or releasing any obligation or liability of the Grantors hereunder or any Event of Default, in its sole discretion, obtain and maintain such policies of insurance and pay such premium and take any other actions with respect thereto as the Collateral Agent deems advisable. All sums disbursed by the Collateral Agent in connection with this Section 4.11, including reasonable attorneys' fees, court costs, expenses and other charges relating thereto, shall be payable, upon demand, by the Grantors to the Collateral Agent and shall be additional Secured Obligations secured hereby.

SECTION 4.12. Legend. If requested by the Collateral Agent, each Grantor shall legend, in form and manner satisfactory to the Collateral Agent, its Accounts Receivable and its books, records and documents evidencing or pertaining thereto with an appropriate reference to the fact that such Accounts Receivable have been assigned to the Collateral Agent for the benefit of the Secured Parties and that the Collateral Agent has a security interest therein.

SECTION 4.13. Covenants Regarding Patent, Trademark and Copyright Collateral. (a) Each Grantor agrees that it will not, nor will it permit any of its licensees to, do any act, or omit to do any act, whereby any Patent which is material to the conduct of the business of the Borrower and the Restricted Subsidiaries, taken as a whole, may become invalidated or dedicated to the public, and agrees that it shall continue to mark any products covered by such Patent with the relevant patent number as necessary and sufficient to establish and preserve its maximum rights under applicable patent laws.

(b) Each Grantor (either itself or through its licensees or its sublicensees) will, for each Trademark material to the conduct of the business of the Borrower and the Restricted Subsidiaries, taken as a whole, (i) maintain such Trademark in full force free from any claim of abandonment or invalidity for non-use, (ii) maintain the quality of products and services offered under such Trademark, (iii) display such Trademark with notice of Federal or foreign registration to the extent necessary and sufficient to establish and preserve its maximum rights under applicable law and (iv) not knowingly use or knowingly permit the use of such Trademark in violation of any third party rights.

(c) Each Grantor (either itself or through licensees) will, for each work covered by a Copyright material to the conduct of the business of the Borrower and the Restricted Subsidiaries, taken as a whole, continue to publish, reproduce, display, adopt and distribute the work with appropriate copyright notice as necessary and sufficient to establish and preserve its rights under applicable copyright laws.

(d) The Borrower shall notify the Collateral Agent immediately if it knows or has reason to know that any Patent, Trademark or Copyright material to the conduct of the business of the Borrower and the Restricted Subsidiaries, taken as a whole, may become abandoned, lost or dedicated to the public, or of any adverse determination or development (including the institution of, or any such determination or development in, any proceeding in the United States Patent and Trademark Office, United States Copyright Office or any court or similar office of any country) regarding the Grantor's ownership of any such Patent, Trademark or Copyright, its right to register the same, or to keep and maintain the same.

(e) In no event shall any Grantor, either itself or through any agent, employee, licensee or designee, file an application for any Patent, Trademark or Copyright material to the conduct of the business of the Borrower and the Restricted Subsidiaries, taken as a whole, (or for the registration of any such Trademark or Copyright) with the United States Patent and Trademark Office, United States Copyright Office or any office or agency in any political subdivision of the United States or in any other country or any political subdivision thereof, unless it promptly informs the Collateral Agent, and, upon request of the Collateral Agent, executes and delivers any and all agreements, instruments, documents and papers as the Collateral Agent may request to evidence the Collateral Agent's security interest in such Patent, Trademark or Copyright, and each Grantor hereby appoints the Collateral Agent as its attorney-in-fact to execute and file such writings for the foregoing purposes, all acts of such attorney being hereby ratified and confirmed; such power, being coupled with an interest, is irrevocable.

(f) Each Grantor will take all necessary steps that are consistent with the practice in any proceeding before the United States Patent and Trademark Office, United States Copyright Office or any office or agency in any political subdivision of the United States or in any other country or any political subdivision thereof, to maintain and pursue each material application relating to the Patents, Trademarks and/or Copyrights (and to obtain the relevant grant or registration) and to maintain each issued Patent and each registration of the Trademarks and Copyrights that is material to the conduct of the business of the Borrower and the Restricted Subsidiaries, taken as a whole, including timely filings of applications for renewal, affidavits of use, affidavits of incontestability and payment of maintenance fees, and, if consistent with good business judgment, to initiate opposition, interference and cancellation proceedings against third parties.

(g) In the event that any Grantor has reason to believe that any Collateral consisting of a Patent, Trademark or Copyright material to the conduct of the business of the Borrower and the Restricted Subsidiaries, taken as a whole, has been or is about to be infringed, misappropriated or diluted by a third party, the Borrower promptly shall notify the Collateral Agent and shall, if consistent with good business judgment, promptly sue for infringement, misappropriation or dilution and to recover any and all damages for such infringement, misappropriation or dilution, and take such other actions as are appropriate under the circumstances to protect such Collateral.

(h) Upon and during the continuance of an Event of Default, each Grantor shall use its best efforts to obtain all requisite consents or approvals by the licensor of each Copyright License, Patent License or Trademark License to effect the assignment of all of such Grantor's right, title and interest thereunder to the Collateral Agent or its designee.

ARTICLE V.

Collections

SECTION 5.01. Securities and Bank Accounts. Each Grantor shall within 75 days after the date hereof (or such longer period as may be agreed by the Collateral Agent) cause any financial intermediary through which it holds monies or Permitted Investments to enter into a control agreement in respect of such monies or Permitted Investments for the benefit of the

Secured Parties in a form reasonably acceptable to the Collateral Agent; provided, that (i) no such control agreement shall be required for any securities or bank account so long as such securities or bank account does not hold more than \$1 million, (ii) such Grantor shall use its reasonable best efforts to enter into such a control agreement with respect to any securities or bank account holding more than \$1 million but less than \$10 million (but the time limit stated above shall not apply) and (iii) such Grantor shall in any event not allow \$10 million or more to remain for more than five days in any securities or bank account that is not subject to such a control agreement.

ARTICLE VI.

Remedies

SECTION 6.01. Remedies upon Default. Upon the occurrence and during the continuance of an Event of Default, each Grantor agrees to deliver each item of Collateral to the Collateral Agent on demand, and it is agreed that the Collateral Agent shall have the right to take any of or all the following actions at the same or different times: (a) with respect to any Collateral consisting of Intellectual Property, on demand, to cause the Security Interest to become an assignment, transfer and conveyance of any of or all such Collateral by the applicable Grantors to the Collateral Agent, or to license or sublicense, whether general, special or otherwise, and whether on an exclusive or non-exclusive basis, any such Collateral throughout the world on such terms and conditions and in such manner as the Collateral Agent shall determine (other than in violation of any then-existing licensing arrangements to the extent that waivers cannot be obtained), and (b) with or without legal process and with or without prior notice or demand for performance, to take possession of the Collateral and without liability for trespass to enter any premises where the Collateral may be located for the purpose of taking possession of or removing the Collateral and, generally, to exercise any and all rights afforded to a secured party under the Uniform Commercial Code or other applicable law. Without limiting the generality of the foregoing, each Grantor agrees that the Collateral Agent shall have the right, subject to the mandatory requirements of applicable law, to sell or otherwise dispose of all or any part of the Collateral, at public or private sale or at any broker's board or on any securities exchange, for cash, upon credit or for future delivery as the Collateral Agent shall deem appropriate. The Collateral Agent shall be authorized at any such sale (if it deems it advisable to do so) to restrict the prospective bidders or purchasers to persons who will represent and agree that they are purchasing the Collateral for their own account for investment and not with a view to the distribution or sale thereof, and upon consummation of any such sale the Collateral Agent shall have the right to assign, transfer and deliver to the purchaser or purchasers thereof the Collateral so sold. Each such purchaser at any such sale shall hold the property sold absolutely, free from any claim or right on the part of any Grantor, and each Grantor hereby waives (to the extent permitted by law) all rights of redemption, stay and appraisal which such Grantor now has or may at any time in the future have under any rule of law or statute now existing or hereafter enacted.

The Collateral Agent shall give the Grantors 10 days' written notice (which each Grantor agrees is reasonable notice within the meaning of Section 9-504(3) of the Uniform Commercial Code as in effect in the State of New York or its equivalent in other jurisdictions) of the Collateral Agent's intention to make any sale of Collateral. Such notice, in the case of a

public sale, shall state the time and place for such sale and, in the case of a sale at a broker's board or on a securities exchange, shall state the board or exchange at which such sale is to be made and the day on which the Collateral, or portion thereof, will first be offered for sale at such board or exchange. Any such public sale shall be held at such time or times within ordinary business hours and at such place or places as the Collateral Agent may fix and state in the notice (if any) of such sale. At any such sale, the Collateral, or portion thereof, to be sold may be sold in one lot as an entirety or in separate parcels, as the Collateral Agent may (in its sole and absolute discretion) determine. The Collateral Agent shall not be obligated to make any sale of any Collateral if it shall determine not to do so, regardless of the fact that notice of sale of such Collateral shall have been given. The Collateral Agent may, without notice or publication, adjourn any public or private sale or cause the same to be adjourned from time to time by announcement at the time and place fixed for sale, and such sale may, without further notice, be made at the time and place to which the same was so adjourned. In case any sale of all or any part of the Collateral is made on credit or for future delivery, the Collateral so sold may be retained by the Collateral Agent until the sale price is paid by the purchaser or purchasers thereof, but the Collateral Agent shall not incur any liability in case any such purchaser or purchasers shall fail to take up and pay for the Collateral so sold and, in case of any such failure, such Collateral may be sold again upon like notice. At any public (or, to the extent permitted by law, private) sale made pursuant to this Section, any Secured Party may bid for or purchase, free (to the extent permitted by law) from any right of redemption, stay, valuation or appraisal on the part of any Grantor (all said rights being also hereby waived and released to the extent permitted by law), the Collateral or any part thereof offered for sale and may make payment on account thereof by using any claim then due and payable to such Secured Party from any Grantor as a credit against the purchase price, and such Secured Party may, upon compliance with the terms of sale, hold, retain and dispose of such property without further accountability to any Grantor therefor. For purposes hereof, a written agreement to purchase the Collateral or any portion thereof shall be treated as a sale thereof; the Collateral Agent shall be free to carry out such sale pursuant to such agreement and no Grantor shall be entitled to the return of the Collateral or any portion thereof subject thereto, notwithstanding the fact that after the Collateral Agent shall have entered into such an agreement all Events of Default shall have been remedied and the Obligations paid in full. As an alternative to exercising the power of sale herein conferred upon it, the Collateral Agent may proceed by a suit or suits at law or in equity to foreclose this Agreement and to sell the Collateral or any portion thereof pursuant to a judgment or decree of a court or courts having competent jurisdiction or pursuant to a proceeding by a court-appointed receiver.

SECTION 6.02. Application of Proceeds. The Collateral Agent shall apply the proceeds of any collection or sale of the Collateral, as well as any Collateral consisting of cash, as follows:

FIRST, to the payment of all costs and expenses incurred by the Administrative Agent or the Collateral Agent (in its capacity as such hereunder or under any other Loan Document) in connection with such collection or sale or otherwise in connection with this Agreement or any of the Secured Obligations, including all court costs and the fees and expenses of its agents and legal counsel, the repayment of all advances made by the Collateral Agent hereunder or under any other Loan Document on behalf of any Grantor

and any other costs or expenses incurred in connection with the exercise of any right or remedy hereunder or under any other Loan Document;

SECOND, to the payment in full of the Secured Obligations (the amounts so applied to be distributed among the Secured Parties pro rata in accordance with the amounts of the Secured Obligations owed to them on the date of any such distribution); and

THIRD, to the Grantors, their successors or assigns, or as a court of competent jurisdiction may otherwise direct.

The Collateral Agent shall have absolute discretion as to the time of application of any such proceeds, moneys or balances in accordance with this Agreement. Upon any sale of the Collateral by the Collateral Agent (including pursuant to a power of sale granted by statute or under a judicial proceeding), the receipt of the Collateral Agent or of the officer making the sale shall be a sufficient discharge to the purchaser or purchasers of the Collateral so sold and such purchaser or purchasers shall not be obligated to see to the application of any part of the purchase money paid over to the Collateral Agent or such officer or be answerable in any way for the misapplication thereof.

SECTION 6.03. Grant of License to Use Intellectual Property. For the purpose of enabling the Collateral Agent to exercise rights and remedies under this Article at such time as the Collateral Agent shall be lawfully entitled to exercise such rights and remedies, each Grantor hereby grants to the Collateral Agent an irrevocable, non-exclusive license (exercisable without payment of royalty or other compensation to the Grantors) to use, license or sub-license any of the Collateral consisting of Intellectual Property now owned or hereafter acquired by such Grantor, and wherever the same may be located, and including in such license reasonable access to all media in which any of the licensed items may be recorded or stored and to all computer software and programs used for the compilation or printout thereof. The use of such license by the Collateral Agent shall be exercised, at the option of the Collateral Agent, upon the occurrence and during the continuation of an Event of Default; provided that any license, sub-license or other transaction entered into by the Collateral Agent in accordance herewith shall be binding upon the Grantors notwithstanding any subsequent cure of an Event of Default.

ARTICLE VII.

Miscellaneous

SECTION 7.01. Notices. All communications and notices hereunder shall (except as otherwise expressly permitted herein) be in writing and given as provided in Section 9.01 of the Credit Agreement. All communications and notices hereunder to any Subsidiary Guarantor shall be given to it at its address or telecopy number set forth on Schedule I, with a copy to the Borrower.

SECTION 7.02. Security Interest Absolute. All rights of the Collateral Agent hereunder, the Security Interest and all obligations of the Grantors hereunder shall be absolute and unconditional irrespective of (a) any lack of validity or enforceability of the Credit

Agreement, any other Loan Document, any agreement with respect to any of the Secured Obligations or any other agreement or instrument relating to any of the foregoing, (b) any change in the time, manner or place of payment of, or in any other term of, all or any of the Secured Obligations, or any other amendment or waiver of or any consent to any departure from the Credit Agreement, any other Loan Document or any other agreement or instrument, (c) any exchange, release or non-perfection of any Lien on other collateral, or any release or amendment or waiver of or consent under or departure from any guarantee, securing or guaranteeing all or any of the Secured Obligations, or (d) any other circumstance that might otherwise constitute a defense available to, or a discharge of, any Grantor in respect of the Secured Obligations or this Agreement.

SECTION 7.03. Survival of Agreement. All covenants, agreements, representations and warranties made by any Grantor herein and in the certificates or other instruments prepared or delivered in connection with or pursuant to this Agreement shall be considered to have been relied upon by the Secured Parties and shall survive the making by the Lenders of the Loans, and the execution and delivery to the Lenders of any notes evidencing such Loans, regardless of any investigation made by the Lenders or on their behalf, and shall continue in full force and effect until this Agreement shall terminate.

SECTION 7.04. Binding Effect; Several Agreement. This Agreement shall become effective as to any Grantor when a counterpart hereof executed on behalf of such Grantor shall have been delivered to the Collateral Agent and a counterpart hereof shall have been executed on behalf of the Collateral Agent, and thereafter shall be binding upon such Grantor and the Collateral Agent and their respective successors and assigns, and shall inure to the benefit of such Grantor, the Collateral Agent and the other Secured Parties and their respective successors and assigns, except that no Grantor shall have the right to assign or transfer its rights or obligations hereunder or any interest herein or in the Collateral (and any such assignment or transfer shall be void) except as expressly contemplated by this Agreement or the Credit Agreement. This Agreement shall be construed as a separate agreement with respect to each Grantor and may be amended, modified, supplemented, waived or released with respect to any Grantor without the approval of any other Grantor and without affecting the obligations of any other Grantor hereunder.

SECTION 7.05. Successors and Assigns. Whenever in this Agreement any of the parties hereto is referred to, such reference shall be deemed to include the successors and assigns of such party; and all covenants, promises and agreements by or on behalf of any Grantor or the Collateral Agent that are contained in this Agreement shall bind and inure to the benefit of their respective successors and assigns.

SECTION 7.06. Collateral Agent's Fees and Expenses; Indemnification. (a) Each Grantor jointly and severally agrees to pay upon demand to the Collateral Agent the amount of any and all reasonable expenses, including the reasonable fees, disbursements and other charges of its counsel and of any experts or agents, which the Collateral Agent may incur in connection with (i) the administration of this Agreement (including the customary fees and charges of the Collateral Agent for any audits conducted by it or on its behalf with respect to the Accounts Receivable or Inventory), (ii) the custody or preservation of, or the sale of, collection from or other realization upon any of the Collateral, (iii) the exercise, enforcement or protection

of any of the rights of the Collateral Agent hereunder or (iv) the failure of any Grantor to perform or observe any of the provisions hereof.

(b) Without limitation of its indemnification obligations under the other Loan Documents, each Grantor jointly and severally agrees to indemnify the Collateral Agent and the other Indemnitees against, and hold each of them harmless from, any and all losses, claims, damages, liabilities and related expenses, including reasonable fees, disbursements and other charges of counsel, incurred by or asserted against any of them arising out of, in any way connected with, or as a result of, the execution, delivery or performance of this Agreement or any claim, litigation, investigation or proceeding relating hereto or to the Collateral, whether or not any Indemnitee is a party thereto; provided that such indemnity shall not, as to any Indemnitee, be available to the extent that such losses, claims, damages, liabilities or related expenses are determined by a court of competent jurisdiction by final and nonappealable judgment to have resulted from the gross negligence or willful misconduct of such Indemnitee.

(c) Any such amounts payable as provided hereunder shall be additional Obligations secured hereby and by the other Security Documents. The provisions of this Section 7.06 shall remain operative and in full force and effect regardless of the termination of this Agreement or any other Loan Document, the consummation of the transactions contemplated hereby, the repayment of any of the Loans, the invalidity or unenforceability of any term or provision of this Agreement or any other Loan Document, or any investigation made by or on behalf of the Collateral Agent or any Lender. All amounts due under this Section 7.06 shall be payable within 10 days of written demand therefor.

SECTION 7.07. GOVERNING LAW. THIS AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK.

SECTION 7.08. Waivers; Amendment. (a) No failure or delay of the Collateral Agent in exercising any power or right hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such right or power, or any abandonment or discontinuance of steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power. The rights and remedies of the Collateral Agent hereunder and of the Collateral Agent, the Issuing Bank, the Administrative Agent and the Lenders under the other Loan Documents are cumulative and are not exclusive of any rights or remedies that they would otherwise have. No waiver of any provisions of this Agreement or any other Loan Document or consent to any departure by any Grantor therefrom shall in any event be effective unless the same shall be permitted by paragraph (b) below, and then such waiver or consent shall be effective only in the specific instance and for the purpose for which given. No notice to or demand on any Grantor in any case shall entitle such Grantor or any other Grantor to any other or further notice or demand in similar or other circumstances.

(b) Neither this Agreement nor any provision hereof may be waived, amended or modified except pursuant to an agreement or agreements in writing entered into by the Collateral Agent and the Grantor or Grantors with respect to which such waiver, amendment or modification is to apply, subject to any consent required in accordance with Section 9.02 of the Credit Agreement.

SECTION 7.09. WAIVER OF JURY TRIAL. EACH PARTY HERETO HEREBY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LITIGATION DIRECTLY OR INDIRECTLY ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT OR ANY OF THE OTHER LOAN DOCUMENTS. EACH PARTY HERETO (A) CERTIFIES THAT NO REPRESENTATIVE, AGENT OR ATTORNEY OF ANY OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT, IN THE EVENT OF LITIGATION, SEEK TO ENFORCE THE FOREGOING WAIVER AND (B) ACKNOWLEDGES THAT IT AND THE OTHER PARTIES HERETO HAVE BEEN INDUCED TO ENTER INTO THIS AGREEMENT AND THE OTHER LOAN DOCUMENTS, AS APPLICABLE, BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION 7.09.

SECTION 7.10. Severability. In the event any one or more of the provisions contained in this Agreement should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby (it being understood that the invalidity of a particular provision in a particular jurisdiction shall not in and of itself affect the validity of such provision in any other jurisdiction). The parties shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 7.11. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall constitute an original but all of which when taken together shall constitute but one contract (subject to Section 7.04), and shall become effective as provided in Section 7.04. Delivery of an executed signature page to this Agreement by facsimile transmission shall be effective as delivery of a manually executed counterpart hereof.

SECTION 7.12. Headings. Article and Section headings used herein are for the purpose of reference only, are not part of this Agreement and are not to affect the construction of, or to be taken into consideration in interpreting, this Agreement.

SECTION 7.13. Jurisdiction; Consent to Service of Process. (a) Each Grantor hereby irrevocably and unconditionally submits, for itself and its property, to the nonexclusive jurisdiction of any New York State court or Federal court of the United States of America sitting in New York City, and any appellate court from any thereof, in any action or proceeding arising out of or relating to this Agreement or the other Loan Documents, or for recognition or enforcement of any judgment, and each of the parties hereto hereby irrevocably and unconditionally agrees that all claims in respect of any such action or proceeding may be heard and determined in such New York State or, to the extent permitted by law, in such Federal court. Each of the parties hereto agrees that a final judgment in any such action or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by law. Nothing in this Agreement shall affect any right that the Collateral Agent, the Administrative Agent, the Issuing Bank or any Lender may otherwise have to bring any action or proceeding relating to this Agreement or the other Loan Documents against any Grantor or its properties in the courts of any jurisdiction.

(b) Each Grantor hereby irrevocably and unconditionally waives, to the fullest extent it may legally and effectively do so, any objection which it may now or hereafter have to the laying of venue of any suit, action or proceeding arising out of or relating to this Agreement or the other Loan Documents in any New York State or Federal court. Each of the parties hereto hereby irrevocably waives, to the fullest extent permitted by law, the defense of an inconvenient forum to the maintenance of such action or proceeding in any such court.

(c) Each party to this Agreement irrevocably consents to service of process in the manner provided for notices in Section 7.01. Nothing in this Agreement will affect the right of any party to this Agreement to serve process in any other manner permitted by law.

SECTION 7.14. Termination. This Agreement and the Security Interest shall terminate when all the Secured Obligations have been paid in full, the Lenders have no further commitment to lend, the L/C Exposure has been reduced to zero and the Issuing Bank has no further commitment to issue Letters of Credit under the Credit Agreement, at which time the Collateral Agent shall execute and deliver to the Grantors, at the Grantors' expense, all Uniform Commercial Code termination statements and similar documents which the Grantors shall reasonably request to evidence such termination. Upon the written request of the Grantors, the Collateral Agent will execute appropriate financing statement amendments to confirm that assets otherwise listed thereon are Excluded Collateral. Any execution and delivery of termination statements or documents pursuant to this Section 7.14 shall be without recourse to or warranty by the Collateral Agent.

SECTION 7.15. Compliance with Laws. Notwithstanding anything herein which may be construed to the contrary, no action shall be taken by any of the Collateral Agent and the Secured Parties with respect to the Licenses or any license, permit, certificate or authorization of the Federal Communications Commission ("FCC") or any other federal, state or local regulatory or governmental bodies applicable to or having jurisdiction over any Grantor unless and until any required approval under the Federal Communications Act of 1934, and any applicable rules and regulations thereunder, requiring the consent to or approval of such action by the FCC or any governmental or other communications authority, have been satisfied and, to the extent applicable, any action taken with respect to, concerning or affecting the Collateral, directly or indirectly, or any Security Interest granted therein by the Collateral Agent and the Secured Parties shall be subject to any required approval of the FCC and any state or local communications regulatory authority and all applicable communications laws.


SECTION 7.16. Additional Grantors. Upon execution and delivery by the Collateral Agent and a Subsidiary of an instrument in the form of Annex 1 hereto, such Subsidiary shall become a Grantor hereunder with the same force and effect as if originally named as a Grantor herein. The execution and delivery of any such instrument shall not require the consent of any Grantor hereunder. The rights and obligations of each Grantor hereunder shall remain in full force and effect notwithstanding the addition of any new Grantor as a party to this Agreement.

SECTION 7.17. Non-disturbance. The Collateral Agent agrees not to disturb the rights of any customer, any tenant of the Grantor or any assignee or subtenant of any tenant of the Grantor (other than any other Subsidiary Guarantor or any Affiliates thereof or a tenant of the

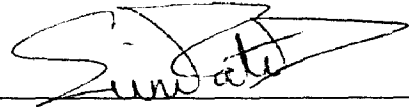
Grantor in default in the observance and performance of any of the terms, covenants or conditions of its lease on such tenant's part to be observed and performed beyond any period given under such lease to cure such default or subtenant or assignee of such defaulting tenant) pursuant to any agreement that grants such customer an indefeasible right to use any telecommunications fiber or network capacity or any lease or other right of occupation of the real property of the Grantor charged hereunder so long as such lease or agreement, as the case may be, was granted or made in the ordinary course of business.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

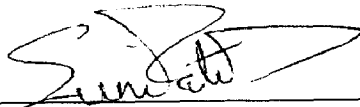
LOOKING GLASS NETWORKS HOLDING CO.,
INC.,

By: 
Name: Sunit Patel
Title: Chief Financial Officer

LOOKING GLASS NETWORKS, INC.

By: 
Name: Sunit Patel
Title: Chief Financial Officer

EACH OF THE SUBSIDIARY GUARANTORS
LISTED ON SCHEDULE I HERETO,

By: 
Name: Sunit Patel
Title: Authorized Signatory

THE CHASE MANHATTAN BANK, as Collateral
Agent

By: _____
Name:
Title:

[Security Agreement]

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

LOOKING GLASS NETWORKS HOLDING CO.,
INC.,

by

Name:
Title:

LOOKING GLASS NETWORKS, INC.,

by

Name:
Title:

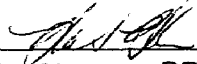
THE SUBSIDIARY PLEDGORS LISTED ON
SCHEDULE I HERETO,

by

Name:
Title: Authorized Officer

THE CHASE MANHATTAN BANK, as Collateral
Agent,

by



Name: BRUCE BORDEN
Title: VICE PRESIDENT

[Security Agreement]

SCHEDULE I TO SECURITY AGREEMENT

SUBSIDIARY GUARANTORS

1. Looking Glass Networks of Virginia, Inc.

SCHEDULE II TO SECURITY AGREEMENT

COPYRIGHTS

NONE

SCHEDULE III TO SECURITY AGREEMENT

LICENSES

NONE

SCHEDULE IV TO SECURITY AGREEMENT

PATENTS

NONE

SCHEDULE VI TO SECURITY AGREEMENT

DESIGNATED HEDGING AGREEMENTS

NONE

SUPPLEMENT NO. ___ dated as of _____, to the Security Agreement dated as of March __, 2001, among Looking Glass Networks Holding Co., Inc., a Delaware corporation (the "Parent"), Looking Glass Networks, Inc., a Delaware corporation (the "Borrower"), each subsidiary of the Parent listed on Schedule I thereto (each such subsidiary individually a "Subsidiary Guarantor" and collectively, the "Subsidiary Guarantors"; the Subsidiary Guarantors, the Borrower and the Parent are referred to collectively herein as the "Grantors") and THE CHASE MANHATTAN BANK, a New York banking corporation ("Chase"), as collateral agent (in such capacity, the "Collateral Agent") for the Secured Parties (as defined herein).

A. Reference is made to (a) the Credit Agreement dated as of February 27, 2001 (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement"), among the Borrower, the Parent, the lenders from time to time party thereto (the "Lenders"), Chase, as administrative agent and collateral agent for the Lenders (in such capacities, the "Administrative Agent" and the "Collateral Agent", respectively) and as issuing bank (in such capacity, the "Issuing Bank") and (b) the Guarantee Agreement dated as of March __, 2001 (as amended, supplemented or otherwise modified from time to time, the "Guarantee Agreement"), among the Parent, the Subsidiary Guarantors and the Collateral Agent.

B. Capitalized terms used herein and not otherwise defined herein shall have the meanings assigned to such terms in the Security Agreement and the Credit Agreement.

C. The Grantors have entered into the Security Agreement in order to induce the Lenders to make Loans and the Issuing Bank to issue Letters of Credit. Section 7.16 of the Security Agreement provides that additional Subsidiaries of the Parent may become Grantors under the Security Agreement by execution and delivery of an instrument in the form of this Supplement. The undersigned Subsidiary (the "New Grantor") is executing this Supplement in accordance with the requirements of the Credit Agreement to become a Grantor under the Security Agreement in order to induce the Lenders to make additional Loans and the Issuing Bank to issue additional Letters of Credit and as consideration for Loans previously made and Letters of Credit previously issued.

Accordingly, the Collateral Agent and the New Grantor agree as follows:

SECTION 1. In accordance with Section 7.16 of the Security Agreement, the New Grantor by its signature below becomes a Grantor under the Security Agreement with the same force and effect as if originally named therein as a Grantor and the New Grantor hereby (a) agrees to all the terms and provisions of the Security Agreement applicable to it as a Grantor thereunder and (b) represents and warrants that the representations and warranties made by it as a Grantor thereunder are true and correct on and as of the date hereof. In furtherance of the foregoing, the New Grantor, as security for the payment and performance in full of the Obligations (as defined in the Security Agreement), does hereby create and grant to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, their successors and assigns, a security interest in and lien on all of the New Grantor's right, title and

interest in and to the Collateral (as defined in the Security Agreement) of the New Grantor. Each reference to a "Grantor" in the Security Agreement shall be deemed to include the New Grantor. The Security Agreement is hereby incorporated herein by reference.

SECTION 2. The New Grantor represents and warrants to the Collateral Agent and the other Secured Parties that this Supplement has been duly authorized, executed and delivered by it and constitutes its legal, valid and binding obligation, enforceable against it in accordance with its terms.

SECTION 3. This Supplement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. This Supplement shall become effective when the Collateral Agent shall have received counterparts of this Supplement that, when taken together, bear the signatures of the New Grantor and the Collateral Agent. Delivery of an executed signature page to this Supplement by facsimile transmission shall be as effective as delivery of a manually signed counterpart of this Supplement.

SECTION 4. The New Grantor hereby represents and warrants that (a) set forth on Schedule I attached hereto is a true and correct schedule of the location of any and all Collateral of the New Grantor and (b) set forth under its signature hereto, is the true and correct location of the chief executive office of the New Grantor.

SECTION 5. Except as expressly supplemented hereby, the Security Agreement shall remain in full force and effect.

SECTION 6. THIS SUPPLEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK.

SECTION 7. In case any one or more of the provisions contained in this Supplement should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and in the Security Agreement shall not in any way be affected or impaired thereby (it being understood that the invalidity of a particular provision in a particular jurisdiction shall not in and of itself affect the validity of such provision in any other jurisdiction). The parties hereto shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 8. All communications and notices hereunder shall be in writing and given as provided in Section 7.01 of the Security Agreement. All communications and notices hereunder to the New Grantor shall be given to it at the address set forth under its signature below.

SECTION 9. The New Grantor agrees to reimburse the Collateral Agent for its reasonable out-of-pocket expenses in connection with this Supplement, including the reasonable fees, other charges and disbursements of counsel for the Collateral Agent.

IN WITNESS WHEREOF, the New Grantor and the Collateral Agent have duly executed this Supplement to the Security Agreement as of the day and year first above written.

[Name Of New Grantor],

By: _____
Name:
Title:
Address:

THE CHASE MANHATTAN BANK, as Collateral Agent,

By: _____
Name:
Title:
Address:

LOCATION OF COLLATERAL

Description

Location