

SECOND AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION
OF
AYLUS NETWORKS, INC.

(Pursuant to Sections 242 and 245 of the
General Corporation Law of the State of Delaware)

Aylus Networks, Inc., a corporation organized and existing under and by virtue of the provisions of the General Corporation Law of the State of Delaware (the "Corporation"),

DOES HEREBY CERTIFY:

1): That the name of the Corporation is Aylus Networks, Inc. The Corporation was originally incorporated under such name. The original certificate of incorporation of the Corporation was filed with the office of the Secretary of State of Delaware on January 6, 2005, was amended on January 20, 2005, was amended and restated on April 19, 2007 and was amended on January 15, 2009.

2): That this Second Amended and Restated Certificate of Incorporation was recommended to the stockholders for approval as being advisable and in the best interests of the Corporation and its stockholders by written consent of the Board of Directors of the Corporation on October 28, 2009.

3): That in lieu of a meeting and vote of stockholders, consents in writing have been signed by holders of outstanding stock having not less than the minimum number of votes necessary to consent to this amendment and restatement of the Corporation's certificate of incorporation, and, if required, prompt notice of such action shall be given in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

4): That this Second Amended and Restated Certificate of Incorporation restates and integrates and amends the certificate of incorporation of the Corporation, as heretofore amended, restated and/or supplemented, in its entirety.

The text of the Corporation's certificate of incorporation, as amended and/or restated to date, is hereby amended and restated in its entirety as follows:

FIRST: The name of this Corporation is Aylus Networks, Inc.

SECOND: The address of the registered office of the Corporation in the State of Delaware is 1209 Orange Street, in the City of Wilmington, New Castle County, Delaware 19801. The name of its registered agent at such address is The Corporation Trust Company.

THIRD: The nature of the business or purposes to be conducted or promoted is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware (the "General Corporation Law").

FOURTH: The total number of shares of all classes of stock which the Corporation shall have authority to issue is (i) 75,000,000 shares of Common Stock, \$.0001 par value per share ("Common Stock"), and (ii) 49,666,048 shares of Preferred Stock, \$.0001 par value per share ("Preferred Stock"), of which 10,000,000 shares have been designated as Series A Convertible Preferred Stock ("Series A Preferred Stock"), 16,111,114 shares have been designated as Series B Convertible Preferred Stock ("Series B Preferred Stock") and 23,554,934 shares have been designated as Series C Convertible Preferred Stock ("Series C Preferred Stock").

The following is a statement of the designations and the powers, privileges and rights, and the qualifications, limitations or restrictions thereof, in respect of each class of capital stock of the Corporation. Unless otherwise indicated, references to "Sections" or "Subsections" in this Article refer to the sections and subsections of this Article Fourth.

A. COMMON STOCK.

1. General. The voting, dividend and liquidation rights of the holders of the Common Stock are subject to and qualified by the rights, powers and preferences of the holders of the Preferred Stock set forth herein and as may be designated by resolution of the Board of Directors with respect to any series of Preferred Stock as authorized herein.

2. Voting. The holders of the Common Stock are entitled to one vote for each share of Common Stock held at all meetings of stockholders (and written actions in lieu of meetings). There shall be no cumulative voting.

Except as otherwise provided herein, the number of authorized shares of Common Stock may be increased or decreased (but not below the number of shares thereof then outstanding) by the affirmative vote of the holders of shares of stock of the Corporation representing a majority of the votes represented by all outstanding shares of stock of the Corporation entitled to vote, irrespective of the provisions of Section 242(b)(2) of the General Corporation Law.

3. Dividends. Dividends may be declared and paid on the Common Stock from funds lawfully available therefore as and when determined by the Board of Directors and subject to any preferential dividend rights of any then outstanding Preferred Stock.

4. Liquidation. Upon the dissolution or liquidation of the Corporation, whether voluntary or involuntary, holders of Common Stock will be entitled to receive all assets of the Corporation available for distribution to its stockholders, subject to any preferential rights of any then outstanding Preferred Stock.

B. PREFERRED STOCK.

Preferred Stock may be issued from time to time in one or more series, each of such series to consist of such number of shares and to have such terms, rights, powers and preferences, and the qualifications and limitations with respect thereto, as stated or expressed herein and in the resolution or resolutions providing for the issue of such series adopted by the

Board of Directors of the Corporation as hereinafter provided. Any shares of Preferred Stock which may be redeemed, purchased or acquired by the Corporation may be reissued except as otherwise provided by law or by the terms of any series of Preferred Stock.

C. SERIES A PREFERRED STOCK, SERIES B PREFERRED STOCK AND SERIES C PREFERRED STOCK.

The Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock have the following rights, preferences, powers, privileges and restrictions, qualifications and limitations:

1. Dividends.

The Corporation shall not declare, pay or set aside any dividends on shares of any other class or series of capital stock of the Corporation (other than dividends on shares of Common Stock payable in shares of Common Stock) unless the holders of the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock then outstanding shall first receive, or simultaneously receive, a dividend on each outstanding share of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock in an amount at least equal to (i) in the case of a dividend on Common Stock or any class or series that is convertible into Common Stock, that dividend per share of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, as would equal the product of (A) the dividend payable on each share of such class or series determined, if applicable, as if all such shares of such class or series had been converted into Common Stock and (B) the number of shares of Common Stock issuable upon conversion of a share of Series A Preferred Stock, a share of Series B Preferred Stock or a share of Series C Preferred Stock, as the case may be, in each case calculated on the record date for determination of holders entitled to receive such dividend or (ii) in the case of a dividend on any class or series that is not convertible into Common Stock, at a rate per share of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, determined by dividing the amount of the dividend payable on each share of such class or series of capital stock by the original issuance price of such class or series of capital stock and multiplying such fraction by an amount equal to (A) \$1.00 per share (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization affecting such shares) (such amount, as so adjusted from time to time, being hereinafter referred to as the "Series A Original Issue Price"), in the case of the Series A Preferred Stock, (B) \$1.35 per share (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization affecting such shares) (such amount, as so adjusted from time to time, being hereinafter referred to as the "Series B Original Issue Price"), in the case of the Series B Preferred Stock, and (C) \$0.43279903 per share (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization affecting such shares) (such amount, as so adjusted from time to time, being hereinafter referred to as the "Series C Original Issue Price"), in the case of the Series C Preferred Stock.

2. Liquidation, Dissolution or Winding Up; Certain Mergers, Consolidations and Asset Sales.

(a) Preferential Payments to Holders of Preferred Stock. In the event of any voluntary or involuntary liquidation, dissolution or winding up of the Corporation, after payment of all preferential amounts required to be paid to the holders of any series of Preferred Stock of the Corporation ranking on liquidation senior to the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, the holders of shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock then outstanding shall be entitled to be paid out of the assets available for distribution to its stockholders on a pari passu basis with the holders of any series of Preferred Stock ranking on liquidation on a parity with the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock and, before any payment shall be made to the holders of Common Stock or any other class or series of stock ranking on liquidation junior to the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock (such Common Stock and other stock being collectively referred to as "Junior Stock") by reason of their ownership thereof, an amount per share equal to the Series A Original Issue Price, in the case of the Series A Preferred Stock, an amount per share equal to the Series B Original Issue Price, in the case of the Series B Preferred Stock and an amount per share equal to the Series C Original Issue Price, in the case of the Series C Preferred Stock, plus, with respect to the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, any dividends declared but unpaid thereon. If upon any such liquidation, dissolution or winding up of the Corporation the remaining assets available for distribution to its stockholders shall be insufficient to pay the holders of shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock and any series of Preferred Stock ranking on liquidation on a parity with the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock the full amount to which they shall be entitled, the holders of shares of Series A Preferred Stock, Series B Preferred Stock, Series C Preferred Stock and any series of Preferred Stock ranking on liquidation on a parity with the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock shall share ratably in any distribution of the assets available for distribution in proportion to the respective amounts which would otherwise be payable in respect of the shares held by them upon such distribution if all amounts payable on or with respect to such shares were paid in full.

(b) Distribution of Remaining Assets. In the event of any voluntary or involuntary liquidation, dissolution or winding up of the Corporation, after the payment of all preferential amounts required to be paid to the holders of shares of Series A Preferred Stock, Series B Preferred Stock, Series C Preferred Stock and any other series of Preferred Stock of the Corporation ranking on liquidation senior to the Common Stock, the remaining assets available for distribution to the Corporation's stockholders shall be distributed among the holders of the shares of Series A Preferred Stock, Series B Preferred Stock, Series C Preferred Stock, Common Stock and any other series of capital stock entitled pursuant to the terms of this Certificate of Incorporation to participate with the Common Stock in the distribution of such remaining assets, pro rata based on the number of shares held by each such holder, treating for this purpose all such securities as if they had been converted to Common Stock pursuant to the terms of this Certificate of Incorporation immediately prior to such dissolution, liquidation or winding up of the Corporation. For the purposes hereof:

(A) the aggregate amount which a holder of a share of Series A Preferred Stock is entitled to receive under Subsections 2(a) and 2(b) is hereinafter referred to as the "Series A Liquidation Amount;" provided, however, that if the aggregate amount which the holders of Series A Preferred Stock are entitled to receive under Subsections 2(a) and 2(b) shall exceed \$3.00 per share (subject to appropriate adjustment in the event of a stock split, stock dividend, combination, reclassification, or similar event affecting the Series A Preferred Stock) (the "Series A Maximum Participation Amount"), each holder of Series A Preferred Stock shall be entitled to receive upon such dissolution, liquidation or winding up of the Corporation the greater of (i) the Series A Maximum Participation Amount and (ii) the amount such holder would have received if all holders had converted their shares of Preferred Stock into Common Stock immediately prior to such dissolution, liquidation or winding up of the Corporation (in which case the greater of (i) or (ii) of this clause (A) shall be referred to as the "Series A Liquidation Amount");

(B) the aggregate amount which a holder of a share of Series B Preferred Stock is entitled to receive under Subsections 2(a) and 2(b) is hereinafter referred to as the "Series B Liquidation Amount;" provided, however, that if the aggregate amount which the holders of Series B Preferred Stock are entitled to receive under Subsections 2(a) and 2(b) shall exceed \$2.70 per share (subject to appropriate adjustment in the event of a stock split, stock dividend, combination, reclassification, or similar event affecting the Series B Preferred Stock) (the "Series B Maximum Participation Amount"), each holder of Series B Preferred Stock shall be entitled to receive upon such dissolution, liquidation or winding up of the Corporation the greater of (i) the Series B Maximum Participation Amount and (ii) the amount such holder would have received if all holders had converted their shares of Preferred Stock into Common Stock immediately prior to such dissolution, liquidation or winding up of the Corporation (in which case the greater of (i) or (ii) of this clause (B) shall be referred to as the "Series B Liquidation Amount"); and

(C) the aggregate amount which a holder of a share of Series C Preferred Stock is entitled to receive under Subsections 2(a) and 2(b) is hereinafter referred to as the "Series C Liquidation Amount;" provided, however, that if the aggregate amount which the holders of Series C Preferred Stock are entitled to receive under Subsections 2(a) and 2(b) shall exceed \$1.2984 per share (subject to appropriate adjustment in the event of a stock split, stock dividend, combination, reclassification, or similar event affecting the Series C Preferred Stock) (the "Series C Maximum Participation Amount"), each holder of Series C Preferred Stock shall be entitled to receive upon such dissolution, liquidation or winding up of the Corporation the greater of (i) the Series C Maximum Participation Amount and (ii) the amount such holder would have received if all holders had converted their shares of Preferred Stock into Common Stock immediately prior to such dissolution, liquidation or winding up of the Corporation (in which case the greater of (i) or (ii) of this clause (C) shall be referred to as the "Series C Liquidation Amount").

(c) Deemed Liquidation Events.

(i) The following events shall be deemed to be a liquidation of the Corporation, unless the holders of at least two-thirds of the then outstanding Series A Preferred

Stock, Series B Preferred Stock and Series C Preferred Stock, voting together as a single class on an as-converted basis, elect otherwise by written notice given to the Corporation at least 15 days prior to the effective date of any such event (any such event, unless such an election is made, is referred to herein as a "Deemed Liquidation Event"):

- (A) a merger or consolidation in which
 - (I) the Corporation is a constituent party or
 - (II) a subsidiary of the Corporation is a constituent party and the Corporation issues shares of its capital stock pursuant to such merger or consolidation,

except any such merger or consolidation involving the Corporation or a subsidiary in which the shares of capital stock of the Corporation outstanding immediately prior to such merger or consolidation continue to represent, or are converted or exchanged for shares of capital stock which represent, immediately following such merger or consolidation, at least a majority, by voting power, of the capital stock of (1) the surviving or resulting corporation or (2) if the surviving or resulting corporation is a wholly owned subsidiary of another corporation immediately following such merger or consolidation, the parent corporation of such surviving or resulting corporation (provided that, for the purpose of this Subsection 2(c)(i), all shares of Common Stock issuable upon exercise of Options (as defined in Subsection 4(d)) outstanding immediately prior to such merger or consolidation or upon conversion of Convertible Securities (as defined in Subsection 4(d)) outstanding immediately prior to such merger or consolidation shall be deemed to be outstanding immediately prior to such merger or consolidation and, if applicable, converted or exchanged in such merger or consolidation on the same terms as the actual outstanding shares of Common Stock are converted or exchanged); or

(B) the sale, lease, transfer, exclusive license or other disposition, in a single transaction or series of related transactions, by the Corporation or any subsidiary of the Corporation of all or substantially all the assets of the Corporation and its subsidiaries taken as a whole except where such sale, lease, transfer, exclusive license or other disposition is to a wholly owned subsidiary of the Corporation.

(ii) The Corporation shall not have the power to effect any transaction constituting a Deemed Liquidation Event pursuant to Subsection 2(c)(i)(A)(I) above unless the agreement or plan of merger or consolidation provides that the consideration payable to the stockholders of the Corporation shall be allocated among the holders of capital stock of the Corporation in accordance with Subsections 2(a) and 2(b) above.

(iii) In the event of a Deemed Liquidation Event pursuant to Subsection 2(c)(i)(A)(II) or 2(c)(i)(B) above, if the Corporation does not effect a dissolution of the Corporation under the General Corporation Law within 90 days after such Deemed Liquidation Event, then (A) the Corporation shall deliver a written notice to each holder of Series A Preferred Stock, Series B Preferred Stock and/or Series C Preferred Stock no later than the 90th day after the Deemed Liquidation Event advising such holders of their right (and the

requirements to be met to secure such right) pursuant to the terms of the following clause (B) to require the redemption of such shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, and (B) if the holders of at least two-thirds of the then outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, voting together as a single class on an as-converted basis, so request in a written instrument delivered to the Corporation not later than 105 days after such Deemed Liquidation Event, the Corporation shall use the consideration received by the Corporation for such Deemed Liquidation Event (net of any retained liabilities associated with the assets sold or technology licensed, as determined in good faith by the Board of Directors of the Corporation) (the "Net Proceeds"), to the extent legally available for distribution to the stockholders of the Corporation, to redeem, on the 120th day after such Deemed Liquidation Event (the "Liquidation Redemption Date"), all outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock at a price per share equal to the Series A Liquidation Amount, Series B Liquidation Amount or Series C Liquidation Amount, as applicable. In the event of a redemption pursuant to the preceding sentence, if the Net Proceeds are not sufficient to redeem all outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, or if the Corporation does not have sufficient lawfully available funds to effect such redemption, the Corporation shall redeem a pro rata portion of each holder's shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, based on the respective amounts that would otherwise be payable in respect of the shares to be redeemed if the Net Proceeds were sufficient to redeem all such outstanding shares, to the fullest extent of such Net Proceeds or such lawfully available funds, as the case may be, and, where such redemption is limited by the amount of lawfully available funds, the Corporation shall redeem the remaining shares to have been redeemed as soon as practicable after the Corporation has funds legally available therefor. The provisions of Subsections 6(b) through 6(e) below shall apply, with such necessary changes in the details thereof as are necessitated by the context, to the redemption of the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock pursuant to this Subsection 2(c)(iii). Prior to the distribution or redemption provided for in this Subsection 2(c)(iii), the Corporation shall not expend or dissipate the consideration received for such Deemed Liquidation Event, except to discharge expenses incurred in connection with such Deemed Liquidation Event or in the ordinary course of business.

(iv) The amount deemed paid or distributed to the holders of capital stock of the Corporation upon any such merger, consolidation, sale, transfer, exclusive license, other disposition or redemption shall be the cash or the value of the property, rights or securities paid or distributed to such holders by the Corporation or the acquiring person, firm or other entity. The value of such property, rights or securities shall be determined in good faith by the Board of Directors of the Corporation.

3. Voting.

(a) On any matter presented to the stockholders of the Corporation for their action or consideration at any meeting of stockholders of the Corporation (or by written consent of stockholders in lieu of meeting), each holder of outstanding shares of Series A Preferred Stock, Series B Preferred Stock and/or Series C Preferred Stock shall be entitled to cast the

number of votes equal to the number of whole shares of Common Stock into which the shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, held by such holder are convertible as of the record date for determining stockholders entitled to vote on such matter. Except as provided by law or by the provisions of Subsection 3(b) or 3(c) below, holders of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock shall vote together with the holders of Common Stock, and with the holders of any other series of Preferred Stock the terms of which so provide, as a single class.

(b) At any time when at least 4,350,000 shares of Preferred Stock (subject to appropriate adjustment in the event of any dividend, stock split, combination or other similar recapitalization affecting such shares) are outstanding, except where the vote or written consent of the holders of a greater number of shares of the Corporation is required by law or by this Certificate of Incorporation, and in addition to any other vote required by law or this Certificate of Incorporation, without the written consent or affirmative vote of the holders of at least two-thirds of the then outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, voting together as a single class on an as-converted basis, given in writing or by vote at a meeting, the Corporation shall not, either directly or by amendment, merger, consolidation or otherwise:

(i) liquidate, dissolve or wind-up the business and affairs of the Corporation, effect any Deemed Liquidation Event, or consent to any of the foregoing;

(ii) amend, alter or repeal any provision of the Certificate of Incorporation of the Corporation;

(iii) create any additional class or series of shares of stock unless the same ranks junior to, or on a parity with, the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock with respect to the distribution of assets on the liquidation, dissolution or winding up of the Corporation and with respect to the payment of dividends and redemption rights, or increase the authorized number of shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock or increase the authorized number of shares of any additional class or series of shares of stock unless the same ranks junior to, or on a parity with, the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock with respect to the distribution of assets on the liquidation, dissolution or winding up of the Corporation and with respect to the payment of dividends and redemption rights, or create or authorize any obligation or security convertible into shares of any class or series of stock unless the same ranks junior to, or on a parity with, the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock with respect to the distribution of assets on the liquidation, dissolution or winding up of the Corporation and with respect to the payment of dividends and redemption rights;

(iv) purchase or redeem or pay or declare any dividend or make any distribution on, any shares of stock other than the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock as expressly authorized herein, or permit any subsidiary of the Corporation to take any such action, except for dividends or other distributions payable on the Common Stock solely in the form of additional shares of Common Stock and other than

securities repurchased from former employees, officers, directors, consultants or other persons who performed services for the Corporation or any subsidiary in connection with the cessation of such employment or service at the lower of the original purchase price or the then-current fair market value thereof or other than as approved by a majority of the non-employee members of the Board of Directors of the Corporation; or

(v) incur indebtedness for borrowed money in excess of \$250,000, unless approved by a majority of the non-employee members of the Board of Directors of the Corporation.

4. Optional Conversion.

The holders of the Preferred Stock shall have conversion rights as follows (the "Conversion Rights"):

(a) Right to Convert.

(i) Each share of Series A Preferred Stock shall be convertible, at the option of the holder thereof, at any time and from time to time, and without the payment of additional consideration by the holder thereof, into such number of fully paid and nonassessable shares of Common Stock as is determined by dividing \$1.00 by the Series A Conversion Price in effect at the time of conversion. The "Series A Conversion Price" shall, as of the date of filing of the Certificate of Incorporation with Secretary of State of the State of Delaware (the "Filing Date"), initially be \$1.00. Such Series A Conversion Price, and the rate at which shares of Series A Preferred Stock may be converted into shares of Common Stock, shall be subject to adjustment as provided in this Section 4.

(ii) Each share of Series B Preferred Stock shall be convertible, at the option of the holder thereof, at any time and from time to time, and without the payment of additional consideration by the holder thereof, into such number of fully paid and nonassessable shares of Common Stock as is determined by dividing \$1.35 by the Series B Conversion Price in effect at the time of conversion. The "Series B Conversion Price" shall, as of the Filing Date, initially be \$1.35. Such Series B Conversion Price, and the rate at which shares of Series B Preferred Stock may be converted into shares of Common Stock, shall be subject to adjustment as provided in this Section 4.

(iii) Each share of Series C Preferred Stock shall be convertible, at the option of the holder thereof, at any time and from time to time, and without the payment of additional consideration by the holder thereof, into such number of fully paid and nonassessable shares of Common Stock as is determined by dividing \$0.43279903 by the Series C Conversion Price in effect at the time of conversion. The "Series C Conversion Price" shall initially be \$0.43279903. Such Series C Conversion Price, and the rate at which shares of Series C Preferred Stock may be converted into shares of Common Stock, shall be subject to adjustment as provided in this Section 4.

(iv) In the event of a notice of redemption of any shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock pursuant to Section 6 hereof, the Conversion Rights of the shares designated for redemption shall terminate at the close of business on the last full day preceding the date fixed for redemption, unless the redemption price is not fully paid on such redemption date, in which case the Conversion Rights for such shares shall continue until such price is paid in full. In the event of a liquidation, dissolution or winding up of the Corporation or a Deemed Liquidation Event, the Conversion Rights shall terminate at the close of business on the last full day preceding the date fixed for the payment of any such amounts distributable on such event to the holders of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock.

(b) Fractional Shares. No fractional shares of Common Stock shall be issued upon conversion of the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock. In lieu of any fractional shares to which the holder would otherwise be entitled, the Corporation shall pay cash equal to such fraction multiplied by the fair market value of a share of Common Stock as determined in good faith by the Board of Directors of the Corporation. Whether or not fractional shares would be issuable upon such conversion shall be determined on the basis of the total number of shares of Preferred Stock the holder is at the time converting into Common Stock and the aggregate number of shares of Common Stock issuable upon such conversion.

(c) Mechanics of Conversion.

(i) In order for a holder of Preferred Stock to voluntarily convert shares of Preferred Stock into shares of Common Stock, such holder shall surrender the certificate or certificates for such shares of Preferred Stock (or, if such registered holder alleges that such certificate has been lost, stolen or destroyed, a lost certificate affidavit and agreement reasonably acceptable to the Corporation to indemnify the Corporation against any claim that may be made against the Corporation on account of the alleged loss, theft or destruction of such certificate), at the office of the transfer agent for the applicable series of Preferred Stock (or at the principal office of the Corporation if the Corporation serves as its own transfer agent), together with written notice that such holder elects to convert all or any number of the shares of the Preferred Stock represented by such certificate or certificates and, if applicable, any event on which such conversion is contingent. Such notice shall state such holder's name or the names of the nominees in which such holder wishes the certificate or certificates for shares of Common Stock to be issued. If required by the Corporation, certificates surrendered for conversion shall be endorsed or accompanied by a written instrument or instruments of transfer, in form satisfactory to the Corporation, duly executed by the registered holder or his, her or its attorney duly authorized in writing. The close of business on the date of receipt by the transfer agent (or by the Corporation if the Corporation serves as its own transfer agent) of such certificates (or lost certificate affidavit and agreement) and notice shall be the time of conversion (the "Conversion Time"), and the shares of Common Stock issuable upon conversion of the shares represented by such certificate shall be deemed to be outstanding of record as of such date. The Corporation shall, as soon as practicable after the Conversion Time, issue and deliver at such office to such holder of Preferred Stock, or to his, her or its nominees, a certificate or certificates for the

number of shares of Common Stock to which such holder shall be entitled, together with cash in lieu of any fraction of a share.

(ii) The Corporation shall at all times when any Preferred Stock shall be outstanding, reserve and keep available out of its authorized but unissued stock, for the purpose of effecting the conversion of the Preferred Stock, such number of its duly authorized shares of Common Stock as shall from time to time be sufficient to effect the conversion of all outstanding Preferred Stock; and, if at any time the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Preferred Stock, the Corporation shall take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in best efforts to obtain the requisite stockholder approval of any necessary amendment to this Certificate of Incorporation. Before taking any action which would cause an adjustment reducing either of the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price below the then par value of the shares of Common Stock issuable upon conversion of the applicable series of Preferred Stock, the Corporation will take any corporate action which may, in the opinion of its counsel, be necessary in order that the Corporation may validly and legally issue fully paid and nonassessable shares of Common Stock at such adjusted Series A Conversion Price, Series B Conversion Price or Series C Conversion Price, as the case may be.

(iii) All shares of Preferred Stock which shall have been surrendered for conversion as herein provided shall no longer be deemed to be outstanding and all rights with respect to such shares, including the rights, if any, to receive notices and to vote, shall immediately cease and terminate at the Conversion Time, except only the right of the holders thereof to receive shares of Common Stock in exchange therefor and to receive payment of any dividends declared but unpaid thereon. Any shares of a series of Preferred Stock so converted shall be retired and cancelled and shall not be reissued as shares of such series, and the Corporation (without the need for stockholder action) may from time to time take such appropriate action as may be necessary to reduce the authorized number of shares of such series of Preferred Stock accordingly.

(iv) Upon any such conversion, no adjustment to the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price shall be made for any declared but unpaid dividends on the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, surrendered for conversion or on the Common Stock delivered upon conversion.

(v) The Corporation shall pay any and all issue and other similar taxes that may be payable in respect of any issuance or delivery of shares of Common Stock upon conversion of shares of Preferred Stock pursuant to this Section 4. The Corporation shall not, however, be required to pay any tax which may be payable in respect of any transfer involved in the issuance and delivery of shares of Common Stock in a name other than that in which the shares of Preferred Stock so converted were registered, and no such issuance or delivery shall be made unless and until the person or entity requesting such issuance has paid to the Corporation

the amount of any such tax or has established, to the satisfaction of the Corporation, that such tax has been paid.

(d) Adjustments to Conversion Prices for Diluting Issues.

(i) Special Definitions. For purposes of this Article Fourth, the following definitions shall apply:

(A) “Option” shall mean rights, options or warrants to subscribe for, purchase or otherwise acquire Common Stock or Convertible Securities.

(B) “Series A Original Issue Date” shall mean the date on which the first share of Series A Preferred Stock was issued.

(C) “Series B Original Issue Date” shall mean the date on which the first share of Series B Preferred Stock was issued.

(D) “Series C Original Issue Date” shall mean the date on which the first share of Series C Preferred Stock was issued.

(E) “Convertible Securities” shall mean any evidences of indebtedness, shares or other securities directly or indirectly convertible into or exchangeable for Common Stock, but excluding Options.

(F) “Additional Shares of Common Stock” shall mean all shares of Common Stock issued (or, pursuant to Subsection 4(d)(iii) below, deemed to be issued) by the Corporation after the Series C Original Issue Date, other than the following (“Exempted Securities”):

- (I) shares of Common Stock issued or deemed issued as a dividend or distribution on Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, provided (a) the number of shares of Common Stock issued as a dividend or distribution on a share of Series A Preferred Stock multiplied by the number of shares of Common Stock into which a share of Series A Preferred Stock is then convertible, (b) the number of shares of Common Stock issued as a dividend or distribution on a share of Series B Preferred Stock multiplied by the number of shares of Common Stock into which a share of Series B Preferred Stock is then convertible and (c) the number of shares of Common Stock issued as a dividend or distribution on a share of Series C Preferred Stock multiplied by the number of shares of Common

Stock into which a share of Series C Preferred Stock is then convertible, are all equal;

- (II) shares of Common Stock issued or issuable by reason of a dividend, stock split, split-up or other distribution on shares of Common Stock that is covered by either Subsection 4(e) or 4(f) below;
- (III) up to 13,305,084 shares of Common Stock (subject to appropriate adjustment for stock splits, stock dividends, combinations and other similar recapitalizations affecting such shares) issued or deemed issued to employees or directors of, or consultants to, the Corporation or any of its subsidiaries pursuant to a plan, agreement or arrangement approved by the Board of Directors of the Corporation, plus such additional number of shares as may be approved by a majority of the non-employee members of the Board of Directors of the Corporation (it being understood that any shares subject to options that expire or terminate unexercised or any restricted stock repurchased by the Corporation shall not be counted towards the maximum number set forth in this clause (III) unless and until regranted or reissued pursuant to any such plan, agreement or arrangement);
- (IV) shares of Common Stock or Convertible Securities actually issued upon the exercise of Options or shares of Common Stock actually issued upon the conversion or exchange of Convertible Securities, in each case provided such issuance is pursuant to the terms of such Option or Convertible Security; or
- (V) shares of Common Stock issued to equipment lessors and commercial lenders, as approved by a majority of the non-employee members of the Board of Directors of the Corporation.

(ii) No Adjustment of Conversion Prices.

(A) No adjustment in the Series A Conversion Price shall be made as the result of the issuance or deemed issuance of Additional Shares of Common Stock if:

- (a) the consideration per share (determined pursuant to Subsection 4(d)(v)) for such Additional Share of Common Stock issued or deemed to be issued by the Corporation is equal to or greater than the Series A Conversion Price in effect immediately prior to the issuance or deemed

issuance of such Additional Shares of Common Stock, or (b) the Corporation receives written notice from the holders of at least two-thirds of the then outstanding shares of Series A Preferred Stock agreeing that no such adjustment shall be made as the result of the issuance or deemed issuance of such Additional Shares of Common Stock.

(B) No adjustment in the Series B Conversion Price shall be made as the result of the issuance or deemed issuance of Additional Shares of Common Stock if: (a) the consideration per share (determined pursuant to Subsection 4(d)(v)) for such Additional Share of Common Stock issued or deemed to be issued by the Corporation is equal to or greater than the Series B Conversion Price in effect immediately prior to the issuance or deemed issuance of such Additional Shares of Common Stock, or (b) the Corporation receives written notice from the holders of at least two-thirds of the then outstanding shares of Series B Preferred Stock agreeing that no such adjustment shall be made as the result of the issuance or deemed issuance of such Additional Shares of Common Stock.

(C) No adjustment in the Series C Conversion Price shall be made as the result of the issuance or deemed issuance of Additional Shares of Common Stock if: (a) the consideration per share (determined pursuant to Subsection 4(d)(v)) for such Additional Share of Common Stock issued or deemed to be issued by the Corporation is equal to or greater than the Series C Conversion Price in effect immediately prior to the issuance or deemed issuance of such Additional Shares of Common Stock, or (b) the Corporation receives written notice from the holders of at least two-thirds of the then outstanding shares of Series C Preferred Stock agreeing that no such adjustment shall be made as the result of the issuance or deemed issuance of such Additional Shares of Common Stock.

(iii) Deemed Issue of Additional Shares of Common Stock.

(A) If the Corporation at any time or from time to time after the Series C Original Issue Date shall issue any Options or Convertible Securities (excluding Options or Convertible Securities which, upon exercise, conversion or exchange thereof, would entitle the holder thereof to receive Exempted Securities (other than Exempted Securities covered by clause (IV) of Subsection 4(d)(i)(E)) or shall fix a record date for the determination of holders of any class of securities entitled to receive any such Options or Convertible Securities, then the maximum number of shares of Common Stock (as set forth in the instrument relating thereto, assuming the satisfaction of any conditions to exercisability, convertibility or exchangeability but without regard to any provision contained therein for a subsequent adjustment of such number) issuable upon the exercise of such Options or, in the case of Convertible Securities and Options therefor, the conversion or exchange of such Convertible Securities, shall be deemed to be Additional Shares of Common Stock issued as of the time of such issue or, in case such a record date shall have been fixed, as of the close of business on such record date.

(B) If the terms of any Option or Convertible Security, the issuance of which resulted in an adjustment to either of the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price pursuant to the terms of Subsection 4(d)(iv) below, are revised (either automatically pursuant to the provisions contained therein or as a result

of an amendment to such terms) to provide for either (1) any increase or decrease in the number of shares of Common Stock issuable upon the exercise, conversion or exchange of any such Option or Convertible Security or (2) any increase or decrease in the consideration payable to the Corporation upon such exercise, conversion or exchange, then, effective upon such increase or decrease becoming effective, the Series A Conversion Price, Series B Conversion Price or the Series C Conversion Price, as the case may be, computed upon the original issue of such Option or Convertible Security (or upon the occurrence of a record date with respect thereto) shall be readjusted to such Series A Conversion Price, Series B Conversion Price or Series C Conversion Price, as the case may be, as would have obtained had such revised terms been in effect upon the original date of issuance of such Option or Convertible Security. Notwithstanding the foregoing, no readjustment pursuant to this clause (B) shall have the effect of increasing the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price to an amount which exceeds the lower of (i) the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price, as the case may be, on the original adjustment date, or (ii) the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price, as the case may be, that would have resulted from any issuances of Additional Shares of Common Stock between the original adjustment date and such readjustment date.

(C) If the terms of any Option or Convertible Security (excluding Options or Convertible Securities which, upon exercise, conversion or exchange thereof, would entitle the holder thereof to receive Exempted Securities (other than Exempted Securities covered by clause (IV) of Subsection 4(d)(i)(E)), the issuance of which did not result in an adjustment to the Series A Conversion Price, Series B Conversion Price or the Series C Conversion Price pursuant to the terms of Subsection 4(d)(iv) below (either because the consideration per share (determined pursuant to Subsection 4(d)(v) hereof) of the Additional Shares of Common Stock subject thereto was equal to or greater than the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price, as the case may be, then in effect, or because such Option or Convertible Security was issued before the Series C Original Issue Date), are revised after the Series C Original Issue Date (either automatically pursuant to the provisions contained therein or as a result of an amendment to such terms), to provide for either (1) any increase or decrease in the number of shares of Common Stock issuable upon the exercise, conversion or exchange of any such Option or Convertible Security or (2) any increase or decrease in the consideration payable to the Corporation upon such exercise, conversion or exchange, then such Option or Convertible Security, as so amended, and the Additional Shares of Common Stock subject thereto (determined in the manner provided in Subsection 4(d)(iii)(A) above) shall be deemed to have been issued effective upon such increase or decrease becoming effective.

(D) Upon the expiration or termination of any unexercised Option, the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price shall be readjusted to such Series A Conversion Price, Series B Conversion Price or Series C Conversion Price, as the case may be, as would have obtained had such Option never been issued.

(E) No adjustment of the Series A Conversion Price, Series B Conversion Price or the Series C Conversion Price, as the case may be, shall be made upon the issue of shares of Common Stock or Convertible Securities upon the exercise of Options or the issue of shares of Common Stock upon the conversion or exchange of Convertible Securities.

(iv) Adjustment of Conversion Price Upon Issuance of Additional Shares of Common Stock.

(A) In the event the Corporation shall at any time after the Series C Original Issue Date issue Additional Shares of Common Stock (including Additional Shares of Common Stock deemed to be issued pursuant to Subsection 4(d)(iii)), without consideration or for a consideration per share less than the Series A Conversion Price in effect immediately prior to such issue, then the Series A Conversion Price shall be reduced, concurrently with such issue, to a price (calculated to the nearest one-hundredth of a cent) determined in accordance with the following formula:

$$CP_2 = CP_1 * (A + B) \div (A + C)$$

For purposes of the foregoing formula, the following definitions shall apply:

- (I) CP₂ shall mean the Series A Conversion Price in effect immediately after such issue of Additional Shares of Common Stock;
- (II) CP₁ shall mean the Series A Conversion Price in effect immediately prior to such issue of Additional Shares of Common Stock;
- (III) "A" shall mean the number of shares of Common Stock outstanding immediately prior to such issue of Additional Shares of Common Stock (treating for this purpose as outstanding all shares of Common Stock issuable upon exercise of Options outstanding immediately prior to such issue or upon conversion of Convertible Securities (including the Series A Preferred Stock) outstanding immediately prior to such issue);
- (IV) "B" shall mean the number of shares of Common Stock that would have been issued if such Additional Shares of Common Stock had been issued at a price per share equal to CP₁ (determined by dividing the aggregate consideration received by the Corporation in respect of such issue by CP₁); and

- (V) "C" shall mean the number of such Additional Shares of Common Stock issued in such transaction.

(B) In the event the Corporation shall at any time after the Series C Original Issue Date issue Additional Shares of Common Stock (including Additional Shares of Common Stock deemed to be issued pursuant to Subsection 4(d)(iii)), without consideration or for a consideration per share less than the Series B Conversion Price in effect immediately prior to such issue, then the Series B Conversion Price shall be reduced, concurrently with such issue, to a price (calculated to the nearest one-hundredth of a cent) determined in accordance with the following formula:

$$CP_2 = CP_1 * (A + B) \div (A + C)$$

For purposes of the foregoing formula, the following definitions shall apply:

- (I) CP_2 shall mean the Series B Conversion Price in effect immediately after such issue of Additional Shares of Common Stock;
- (II) CP_1 shall mean the Series B Conversion Price in effect immediately prior to such issue of Additional Shares of Common Stock;
- (III) "A" shall mean the number of shares of Common Stock outstanding immediately prior to such issue of Additional Shares of Common Stock (treating for this purpose as outstanding all shares of Common Stock issuable upon exercise of Options outstanding immediately prior to such issue or upon conversion of Convertible Securities (including the Series B Preferred Stock) outstanding immediately prior to such issue);
- (IV) "B" shall mean the number of shares of Common Stock that would have been issued if such Additional Shares of Common Stock had been issued at a price per share equal to CP_1 (determined by dividing the aggregate consideration received by the Corporation in respect of such issue by CP_1); and
- (V) "C" shall mean the number of such Additional Shares of Common Stock issued in such transaction.

(C) In the event the Corporation shall at any time after the Series C Original Issue Date issue Additional Shares of Common Stock (including Additional

Shares of Common Stock deemed to be issued pursuant to Subsection 4(d)(iii)), without consideration or for a consideration per share less than the Series C Conversion Price in effect immediately prior to such issue, then the Series C Conversion Price shall be reduced, concurrently with such issue, to a price (calculated to the nearest one-hundredth of a cent) determined in accordance with the following formula:

$$CP_2 = CP_1 * (A + B) \div (A + C)$$

For purposes of the foregoing formula, the following definitions shall apply:

- (I) CP_2 shall mean the Series C Conversion Price in effect immediately after such issue of Additional Shares of Common Stock;
- (II) CP_1 shall mean the Series C Conversion Price in effect immediately prior to such issue of Additional Shares of Common Stock;
- (III) "A" shall mean the number of shares of Common Stock outstanding immediately prior to such issue of Additional Shares of Common Stock (treating for this purpose as outstanding all shares of Common Stock issuable upon exercise of Options outstanding immediately prior to such issue or upon conversion of Convertible Securities (including the Series C Preferred Stock) outstanding immediately prior to such issue);
- (IV) "B" shall mean the number of shares of Common Stock that would have been issued if such Additional Shares of Common Stock had been issued at a price per share equal to CP_1 (determined by dividing the aggregate consideration received by the Corporation in respect of such issue by CP_1); and
- (V) "C" shall mean the number of such Additional Shares of Common Stock issued in such transaction.

(v) Determination of Consideration. For purposes of this Subsection 4(d), the consideration received by the Corporation for the issue of any Additional Shares of Common Stock shall be computed as follows:

- (A) Cash and Property: Such consideration shall:

- (I) insofar as it consists of cash, be computed at the aggregate amount of cash received by the Corporation, excluding amounts paid or payable for accrued interest;
- (II) insofar as it consists of property other than cash, be computed at the fair market value thereof at the time of such issue, as determined in good faith by the Board of Directors of the Corporation; and
- (III) in the event Additional Shares of Common Stock are issued together with other shares or securities or other assets of the Corporation for consideration which covers both, be the proportion of such consideration so received, computed as provided in clauses (I) and (II) above, as determined in good faith by the Board of Directors of the Corporation.

(B) Options and Convertible Securities. The consideration per share received by the Corporation for Additional Shares of Common Stock deemed to have been issued pursuant to Subsection 4(d)(iii), relating to Options and Convertible Securities, shall be determined by dividing

- (I) the total amount, if any, received or receivable by the Corporation as consideration for the issue of such Options or Convertible Securities, plus the minimum aggregate amount of additional consideration (as set forth in the instruments relating thereto, without regard to any provision contained therein for a subsequent adjustment of such consideration) payable to the Corporation upon the exercise of such Options or the conversion or exchange of such Convertible Securities, or in the case of Options for Convertible Securities, the exercise of such Options for Convertible Securities and the conversion or exchange of such Convertible Securities, by
- (II) the maximum number of shares of Common Stock (as set forth in the instruments relating thereto, without regard to any provision contained therein for a subsequent adjustment of such number) issuable upon the exercise of such Options or the conversion or exchange of such Convertible Securities.

(vi) Multiple Closing Dates. In the event the Corporation shall issue on more than one date Additional Shares of Common Stock that are a part of one transaction or a series of related transactions and that would result in an adjustment to the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price, as the case may be, pursuant to the terms of Subsection 4(d)(iv) above, then, upon the final such issuance, the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price, as the case may be, shall be readjusted to give effect to all such issuances as if they occurred on the date of the first such issuance (and without giving effect to any additional adjustments as a result of such subsequent issuances within such period).

(e) Adjustment for Stock Splits and Combinations. If the Corporation shall at any time or from time to time after the Series C Original Issue Date effect a subdivision of the outstanding Common Stock without a comparable subdivision of the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, or combine the outstanding shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, without a comparable combination of the Common Stock, the Series A Conversion Price, Series B Conversion Price and/or Series C Conversion Price, as the case may be, in effect immediately before that subdivision or combination shall be proportionately decreased so that the number of shares of Common Stock issuable on conversion of each share of such series shall be increased in proportion to such increase in the aggregate number of shares of Common Stock outstanding. If the Corporation shall at any time or from time to time after the Series C Original Issue Date combine the outstanding shares of Common Stock without a comparable combination of the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock or effect a subdivision of the outstanding shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock without a comparable subdivision of the Common Stock, the Series A Conversion Price, Series B Conversion Price and/or Series C Conversion Price, as the case may be, in effect immediately before the combination or subdivision shall be proportionately increased so that the number of shares of Common Stock issuable on conversion of each share of such series shall be decreased in proportion to such decrease in the aggregate number of shares of Common Stock outstanding. Any adjustment under this subsection shall become effective at the close of business on the date the subdivision or combination becomes effective.

(f) Adjustment for Certain Dividends and Distributions. In the event the Corporation at any time or from time to time after the Series C Original Issue Date shall make or issue, or fix a record date for the determination of holders of Common Stock entitled to receive, a dividend or other distribution payable on the Common Stock in additional shares of Common Stock, then and in each such event the Series A Conversion Price, Series B Conversion Price and Series C Conversion Price in effect immediately before such event shall be decreased as of the time of such issuance or, in the event such a record date shall have been fixed, as of the close of business on such record date, by multiplying the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price, as the case may be, then in effect by a fraction:

(1) the numerator of which shall be the total number of shares of Common Stock issued and outstanding immediately prior to the time of such issuance or the close of business on such record date, and

(2) the denominator of which shall be the total number of shares of Common Stock issued and outstanding immediately prior to the time of such issuance or the close of business on such record date plus the number of shares of Common Stock issuable in payment of such dividend or distribution;

provided, however, that if such record date shall have been fixed and such dividend is not fully paid or if such distribution is not fully made on the date fixed therefor, the Series A Conversion Price, Series B Conversion Price and Series C Conversion Price shall be recomputed accordingly as of the close of business on such record date and thereafter the Series A Conversion Price, Series B Conversion Price and Series C Conversion Price shall be adjusted pursuant to this subsection as of the time of actual payment of such dividends or distributions; and provided further, however, that no such adjustment shall be made with respect to the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price under this Subsection 4(f) if the holders of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, simultaneously receive (i) a dividend or other distribution of shares of Common Stock in a number equal to the number of shares of Common Stock as they would have received if all outstanding shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, had been converted into Common Stock on the date of such event or (ii) a dividend or other distribution of shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, which are convertible, as of the date of such event, into such number of shares of Common Stock as is equal to the number of additional shares of Common Stock being issued with respect to each share of Common Stock in such dividend or distribution.

(g) Adjustments for Other Dividends and Distributions. In the event the Corporation at any time or from time to time after the Series C Original Issue Date shall make or issue, or fix a record date for the determination of holders of Common Stock entitled to receive, a dividend or other distribution payable in securities of the Corporation (other than a distribution of shares of Common Stock in respect of outstanding shares of Common Stock) or in other property and the provisions of Section 1 do not apply to such dividend or distribution, then and in each such event the holders of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock shall receive, simultaneously with the distribution to the holders of Common Stock, a dividend or other distribution of such securities or other property in an amount equal to the amount of such securities or other property as they would have received if all outstanding shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, had been converted into Common Stock on the date of such event.

(h) Adjustment for Merger or Reorganization, etc. Subject to the provisions of Subsection 2(c), if there shall occur any reorganization, recapitalization, reclassification, consolidation or merger involving the Corporation in which the Common Stock (but not any of the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock) is converted into or exchanged for securities, cash or other property (other than a transaction covered by

Subsections (e), (f) or (g) of this Section 4), then, following any such reorganization, recapitalization, reclassification, consolidation or merger, each share of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, shall thereafter be convertible in lieu of the Common Stock into which it was convertible prior to such event into the kind and amount of securities, cash or other property which a holder of the number of shares of Common Stock of the Corporation issuable upon conversion of one share of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, immediately prior to such reorganization, recapitalization, reclassification, consolidation or merger would have been entitled to receive pursuant to such transaction; and, in such case, appropriate adjustment (as determined in good faith by the Board of Directors of the Corporation) shall be made in the application of the provisions in this Section 4 with respect to the rights and interests thereafter of the holders of the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, to the end that the provisions set forth in this Section 4 (including provisions with respect to changes in and other adjustments of the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price) shall thereafter be applicable, as nearly as reasonably may be, in relation to any securities or other property thereafter deliverable upon the conversion of the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be.

(i) Certificate as to Adjustments. Upon the occurrence of each adjustment or readjustment of the Series A Conversion Price, Series B Conversion Price or Series C Conversion Price pursuant to this Section 4, the Corporation at its expense shall, as promptly as reasonably practicable but in any event not later than 10 days thereafter, compute such adjustment or readjustment in accordance with the terms hereof and furnish to each holder of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, a certificate setting forth such adjustment or readjustment (including the kind and amount of securities, cash or other property into which the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, is convertible) and showing in detail the facts upon which such adjustment or readjustment is based. The Corporation shall, as promptly as reasonably practicable after the written request at any time of any holder of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock (but in any event not later than 10 days thereafter), furnish or cause to be furnished to such holder a certificate setting forth (i) the Series A Conversion Price, Series B Conversion Price and Series C Conversion Price then in effect, and (ii) the number of shares of Common Stock and the amount, if any, of other securities, cash or property which then would be received upon the conversion of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock.

(j) Notice of Record Date. In the event:

(i) the Corporation shall take a record of the holders of its Common Stock (or other stock or securities at the time issuable upon conversion of the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock) for the purpose of entitling or enabling them to receive any dividend or other distribution, or to receive any right to subscribe for or purchase any shares of stock of any class or any other securities, or to receive any other right; or

(ii) of any capital reorganization of the Corporation, any reclassification of the Common Stock of the Corporation, or any Deemed Liquidation Event; or

(iii) of the voluntary or involuntary dissolution, liquidation or winding-up of the Corporation,

then, and in each such case, the Corporation will send or cause to be sent to the holders of the Preferred Stock a notice specifying, as the case may be, (i) the record date for such dividend, distribution or right, and the amount and character of such dividend, distribution or right, or (ii) the effective date on which such reorganization, reclassification, consolidation, merger, transfer, dissolution, liquidation or winding-up is proposed to take place, and the time, if any is to be fixed, as of which the holders of record of Common Stock (or such other stock or securities at the time issuable upon the conversion of the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock) shall be entitled to exchange their shares of Common Stock (or such other stock or securities) for securities or other property deliverable upon such reorganization, reclassification, consolidation, merger, transfer, dissolution, liquidation or winding-up, and the amount per share and character of such exchange applicable to the Series A Preferred Stock, Series B Preferred Stock, Series C Preferred Stock and the Common Stock. Such notice shall be sent at least 10 days prior to the record date or effective date for the event specified in such notice. Any notice required by the provisions hereof to be given to a holder of shares of Series A Preferred Stock, Series B Preferred Stock and/or Series C Preferred Stock shall be deemed sent to such holder if deposited in the United States mail, postage prepaid, and addressed to such holder at his, her or its address appearing on the books of the Corporation.

5. Mandatory Conversion.

(a) Upon the earlier of (i) the closing of the sale of shares of Common Stock, at a price to the public of at least \$5.00 per share (subject to appropriate adjustment for stock splits, stock dividends, combinations and other similar recapitalizations affecting such shares), in a firm commitment underwritten public offering pursuant to an effective registration statement under the Securities Act of 1933, as amended, resulting in at least \$20,000,000 of net proceeds to the Corporation or (ii) a date specified by vote or written consent of the holders of at least two-thirds of the then outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, voting (or consenting) together as a single class on an as-converted basis (the date of such closing or such vote or written consent, the "Mandatory Conversion Date"), (A) all outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock shall automatically be converted into shares of Common Stock, at the then effective conversion rate applicable to such series of Preferred Stock and (B) such shares may not be reissued by the Corporation as shares of such series.

(b) All holders of record of shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock shall be given written notice of the Mandatory Conversion Date and the place designated for mandatory conversion of all such shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock pursuant to this Section 5. Such notice need not be given in advance of the occurrence of the Mandatory Conversion Date. Such notice shall be sent by first class or registered mail, postage prepaid, or

given by electronic communication in compliance with the provisions of the General Corporation Law, to each record holder of Series A Preferred Stock, Series B Preferred Stock and/or Series C Preferred Stock. Upon receipt of such notice, each holder of shares of Series A Preferred Stock, Series B Preferred Stock and/or Series C Preferred Stock shall surrender his, her or its certificate or certificates for all such shares to the Corporation at the place designated in such notice, and shall thereafter receive certificates for the number of shares of Common Stock to which such holder is entitled pursuant to this Section 5. On the Mandatory Conversion Date, all outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock shall be deemed to have been converted into shares of Common Stock, which shall be deemed to be outstanding of record, and all rights with respect to the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock so converted, including the rights, if any, to receive notices and vote (other than as a holder of Common Stock), will terminate, except only the rights of the holders thereof, upon surrender of their certificate or certificates therefor, to receive certificates for the number of shares of Common Stock into which such Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock has been converted, and payment of any declared but unpaid dividends thereon. If so required by the Corporation, certificates surrendered for conversion shall be endorsed or accompanied by written instrument or instruments of transfer, in form satisfactory to the Corporation, duly executed by the registered holder or by his, her or its attorney duly authorized in writing. As soon as practicable after the Mandatory Conversion Date and the surrender of the certificate or certificates for Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, the Corporation shall cause to be issued and delivered to such holder, or on his, her or its written order, a certificate or certificates for the number of full shares of Common Stock issuable on such conversion in accordance with the provisions hereof and cash as provided in Subsection 4(b) in respect of any fraction of a share of Common Stock otherwise issuable upon such conversion.

(c) All certificates evidencing shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock which are required to be surrendered for conversion in accordance with the provisions hereof shall, from and after the Mandatory Conversion Date, be deemed to have been retired and cancelled and the shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock represented thereby converted into Common Stock for all purposes, notwithstanding the failure of the holder or holders thereof to surrender such certificates on or prior to such date. Such converted Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock may not be reissued as shares of such series, and the Corporation may thereafter take such appropriate action (without the need for stockholder action) as may be necessary to reduce the authorized number of shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock accordingly.

6. Redemption

(a) Redemption. Shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock shall be redeemed by the Corporation out of funds lawfully available therefor at a price equal to (i) the Series A Original Issue Price per share, plus all declared but unpaid dividends thereon, in the case of the Series A Preferred Stock, (ii) the Series B Original Issue Price per share, plus all declared but unpaid dividends thereon, in the case of the

Series B Preferred Stock, and (iii) the Series C Original Issue Price per share, plus all declared but unpaid dividends thereon, in the case of the Series C Preferred Stock (with each such redemption price referred to herein as the "Redemption Price"), in three annual installments commencing 60 days after receipt by the Corporation at any time on or after the fifth anniversary of the Series C Original Issue Date, from the holders of at least a majority of the then outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, together as a single class on an as-converted basis, of written notice requesting redemption of all shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock (the date of each such installment being referred to as a "Redemption Date"). On each Redemption Date, the Corporation shall redeem, on a pro rata basis in accordance with the number of shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, owned by each holder, that number of outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock determined by dividing (i) the total number of shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, outstanding immediately prior to such Redemption Date by (ii) the number of remaining Redemption Dates (including the Redemption Date to which such calculation applies). If the Corporation does not have sufficient funds legally available to redeem on any Redemption Date all shares of Series A Preferred Stock, Series B Preferred Stock, Series C Preferred Stock, and of any other class or series of stock to be redeemed on such Redemption Date, the Corporation shall redeem a pro rata portion of each holder's redeemable shares of such stock out of funds legally available therefor, based on the respective amounts which would otherwise be payable in respect of the shares to be redeemed if the legally available funds were sufficient to redeem all such shares, and shall redeem the remaining shares to have been redeemed as soon as practicable after the Corporation has funds legally available therefor.

(b) Redemption Notice. Written notice of the mandatory redemption (the "Redemption Notice") shall be mailed, postage prepaid, to each holder of record of Series A Preferred Stock, Series B Preferred Stock and/or Series C Preferred Stock, at its post office address last shown on the records of the Corporation, or given by electronic communication in compliance with the provisions of the General Corporation Law, not less than 40 days prior to each Redemption Date. Each Redemption Notice shall state:

- (I) the number of shares of Series A Preferred Stock, Series B Preferred Stock and/or Series C Preferred Stock held by the holder that the Corporation shall redeem on the Redemption Date specified in the Redemption Notice;
- (II) the Redemption Date and the applicable Redemption Price;
- (III) the date upon which the holder's right to convert such shares terminates (as determined in accordance with Subsection 4(a)); and

- (IV) that the holder is to surrender to the Corporation, in the manner and at the place designated, his, her or its certificate or certificates representing the shares of Series A Preferred Stock, Series B Preferred Stock and/or Series C Preferred Stock to be redeemed.

(c) Surrender of Certificates; Payment. On or before the applicable Redemption Date, each holder of shares of Preferred Stock to be redeemed on such Redemption Date, unless such holder has exercised his, her or its right to convert such shares as provided in Section 4 hereof, shall surrender the certificate or certificates representing such shares to the Corporation, in the manner and at the place designated in the Redemption Notice, and thereupon the applicable Redemption Price for such shares shall be payable to the order of the person whose name appears on such certificate or certificates as the owner thereof, and each surrendered certificate shall be canceled and retired. In the event less than all of the shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock represented by a certificate are redeemed, a new certificate representing the unredeemed shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, shall promptly be issued to such holder.

(d) Rights Subsequent to Redemption. If the Redemption Notice shall have been duly given, and if on the applicable Redemption Date the applicable Redemption Price payable upon redemption of the shares of Preferred Stock to be redeemed on such Redemption Date is paid or tendered for payment or deposited with an independent payment agent so as to be available therefor, then notwithstanding that the certificates evidencing any of the shares of Series A Preferred Stock, Series B Preferred Stock and/or Series C Preferred Stock so called for redemption shall not have been surrendered, dividends with respect to such shares of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock shall cease to accrue after such Redemption Date and all rights with respect to such shares shall forthwith after the Redemption Date terminate, except only the right of the holders to receive the applicable Redemption Price without interest upon surrender of their certificate or certificates therefor.

(e) Redeemed or Otherwise Acquired Shares. Any shares of Preferred Stock which are redeemed or otherwise acquired by the Corporation or any of its subsidiaries shall be automatically and immediately canceled and shall not be reissued, sold or transferred. Neither the Corporation nor any of its subsidiaries may exercise any voting or other rights granted to the holders of Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock, as the case may be, following redemption.

7. Waiver. Any of the rights, powers, preferences and other terms of the Series A Preferred Stock, Series B Preferred Stock or Series C Preferred Stock set forth herein may be waived by the affirmative consent or vote of the holders of at least two-thirds of the shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock then outstanding, voting (or consenting) together as a single class on an as-converted basis, provided such waiver by its terms is equally applicable to the holders of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock. Notwithstanding the foregoing, (i) any of the

rights of the holders of the Series A Preferred Stock set forth herein may be waived (in a manner that does not apply to the holders of the Series B Preferred Stock or Series C Preferred Stock) by the affirmative consent or vote of the holders of at least two-thirds of the shares of Series A Preferred Stock then outstanding, (ii) any of the rights of the holders of the Series B Preferred Stock set forth herein may be waived (in a manner that does not apply to the holders of the Series A Preferred Stock or Series C Preferred Stock) by the affirmative consent or vote of the holders of at least two-thirds of the shares of Series B Preferred Stock then outstanding, and (iii) any of the rights of the holders of the Series C Preferred Stock set forth herein may be waived (in a manner that does not apply to the holders of the Series A Preferred Stock or Series B Preferred Stock) by the affirmative consent or vote of the holders of at least two-thirds of the shares of Series C Preferred Stock then outstanding.

FIFTH: In furtherance of and not in limitation of powers conferred by the laws of the State of Delaware, it is further provided:

1. The business and affairs of the Corporation shall be managed by or under the direction of the Board of Directors.
2. Election of directors need not be by written ballot.
3. The Board of Directors is expressly authorized to adopt, amend, alter or repeal the By-Laws of the Corporation.

SIXTH: Except to the extent that the General Corporation Law of Delaware prohibits the elimination or limitation of liability of directors for breaches of fiduciary duty, no director of the Corporation shall be personally liable to the Corporation or its stockholders for monetary damages for any breach of fiduciary duty as a director, notwithstanding any provision of law imposing such liability. No amendment to or repeal of this provision shall apply to or have any effect on the liability or alleged liability of any director of the Corporation for or with respect to any acts or omissions of such director occurring prior to such amendment.

SEVENTH: The Corporation shall, to the fullest extent permitted by Section 145 of the General Corporation Law, as amended from time to time, indemnify each person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative, by reason of the fact that he or she is or was, or has agreed to become, a director or officer of the Corporation, or is or was serving, or has agreed to serve, at the request of the Corporation, as a director, officer, partner, employee or trustee of, or in a similar capacity with, another corporation, partnership, joint venture, trust or other enterprise (including any employee benefit plan) (all such persons being referred to hereafter as an "Indemnitee"), or by reason of any action alleged to have been taken or omitted in such capacity, against all expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by or on behalf of an Indemnitee in connection with such action, suit or proceeding and any appeal therefrom.

As a condition precedent to an Indemnitee's right to be indemnified, the Indemnitee must notify the Corporation in writing as soon as practicable of any action, suit, proceeding or

investigation involving such Indemnitee for which indemnity will or could be sought. With respect to any action, suit, proceeding or investigation of which the Corporation is so notified, the Corporation will be entitled to participate therein at its own expense and/or to assume the defense thereof at its own expense, with legal counsel reasonably acceptable to the Indemnitee.

In the event that the Corporation does not assume the defense of any action, suit, proceeding or investigation of which the Corporation receives notice under this Article, the Corporation shall pay in advance of the final disposition of such matter any expenses (including attorneys' fees) incurred by an Indemnitee in defending a civil or criminal action, suit, proceeding or investigation or any appeal therefrom; provided, however, that the payment of such expenses incurred by an Indemnitee in advance of the final disposition of such matter shall be made only upon receipt of an undertaking by or on behalf of the Indemnitee to repay all amounts so advanced in the event that it shall ultimately be determined that the Indemnitee is not entitled to be indemnified by the Corporation as authorized in this Article, which undertaking shall be accepted without reference to the financial ability of the Indemnitee to make such repayment; and further provided that no such advancement of expenses shall be made under this Article if it is determined that (i) the Indemnitee did not act in good faith and in a manner he reasonably believed to be in, or not opposed to, the best interests of the Corporation, or (ii) with respect to any criminal action or proceeding, the Indemnitee had reasonable cause to believe his conduct was unlawful.

The Corporation shall not indemnify an Indemnitee pursuant to this Article in connection with a proceeding (or part thereof) initiated by such Indemnitee unless the initiation thereof was approved by the Board of Directors of the Corporation. In addition, the Corporation shall not indemnify an Indemnitee to the extent such Indemnitee is reimbursed from the proceeds of insurance, and in the event the Corporation makes any indemnification payments to an Indemnitee and such Indemnitee is subsequently reimbursed from the proceeds of insurance, such Indemnitee shall promptly refund such indemnification payments to the Corporation to the extent of such insurance reimbursement.

All determinations hereunder as to the entitlement of an Indemnitee to indemnification or advancement of expenses shall be made in each instance (a) by a majority vote of the directors of the Corporation consisting of persons who are not at that time parties to the action, suit or proceeding in question ("disinterested directors"), whether or not a quorum, (b) by a committee of disinterested directors designated by majority vote of disinterested directors, whether or not a quorum, (c) if there are no disinterested directors, or if the disinterested directors so direct, by independent legal counsel (who may, to the extent permitted by law, be regular legal counsel to the Corporation) in a written opinion, or (d) by the stockholders of the Corporation.

The rights provided in this Article (i) shall not be deemed exclusive of any other rights to which an Indemnitee may be entitled under any law, agreement or vote of stockholders or disinterested directors or otherwise, and (ii) shall inure to the benefit of the heirs, executors and administrators of the Indemnities. The Corporation may, to the extent authorized from time to time by its Board of Directors, grant indemnification rights to other employees or agents of the Corporation or other persons serving the Corporation and such rights may be equivalent to, or greater or less than, those set forth in this Article.

EIGHTH: The Corporation reserves the right to amend, alter, change or repeal any provision contained in this Certificate of Incorporation, in the manner now or hereafter prescribed by statute and this Certificate of Incorporation, and all rights conferred upon stockholders herein are granted subject to this reservation.

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IN WITNESS WHEREOF, the Corporation has caused this Second Amended and Restated Certificate of Incorporation to be signed by its President this 28th day of October, 2009.

By: /s/ Shamim A. Naqvi
Shamin A. Naqvi, President