

AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION OF
THE 41ST PARAMETER, INC.

The 41st Parameter, Inc., a corporation organized and existing under the laws of the State of Delaware (the "Corporation"), certifies that:

A. The name of the Corporation is The 41st Parameter, Inc. The Corporation's original Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on April 22, 2004, the Corporation's Amended and Restated Certificate of Incorporation was filed with the Secretary of State of Delaware on January 7, 2005, the Corporation's further Amended and Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on March 22, 2005, the Corporation's further Amended and Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on April 25, 2006, the Corporation's further Amended and Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on June 15, 2007 and the Corporation's further Amended and Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on December 17, 2009.

B. This Amended and Restated Certificate of Incorporation was duly adopted in accordance with Sections 228, 242 and 245 of the General Corporation Law of the State of Delaware, and restates, integrates and further amends the provisions of the Corporation's Amended and Restated Certificate of Incorporation.

C. The text of the Amended and Restated Certificate of Incorporation is further amended and restated to read as set forth in EXHIBIT A attached hereto.

IN WITNESS WHEREOF, The 41st Parameter, Inc. has caused this Amended and Restated Certificate of Incorporation to be signed by Alan Naumann, a duly authorized officer of the Corporation, on March 16, 2012.

/s/ Alan Naumann

Alan Naumann,
President and Chief Executive Officer

EXHIBIT A

ARTICLE I

The name of the Corporation is The 41st Parameter, Inc.

ARTICLE II

The purpose of this corporation is to engage in any lawful act or activity for which corporations may be organized under the Delaware General Corporation Law ("DGCL").

ARTICLE III

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

ARTICLE IV

The total number of shares of stock that the Corporation shall have authority to issue is 157,060,272, consisting of 100,000,000 shares of Common Stock, \$0.001 par value per share, and 57,060,272 shares of Preferred Stock, \$0.001 par value per share, 9,819,635 of which shall be designated "Series A Preferred Stock," 13,132,438 of which shall be designated "Series B Preferred Stock," 16,408,199 of which shall be designated "Series C Preferred Stock," and 17,700,000 of which shall be designated "Series D Preferred Stock." Fractional shares of Common Stock heretofore issued shall be rounded upwards to the nearest whole number and no further fractional shares shall be issued by the Corporation. Subject to any vote required pursuant to ARTICLE V, Sections 5 or 6 hereof, the authorized number of shares of Common Stock may be increased or decreased, but not below the number of shares of Common Stock then outstanding, with the affirmative vote (or written consent) of holders of a majority of the then-outstanding shares of stock of the Corporation, calculated on an as-if converted to Common Stock basis, irrespective of the provisions of Section 242(b)(2) of the DGCL.

ARTICLE V

The terms and provisions of the Common Stock and Preferred Stock are as follows:

1. **Definitions.** For purposes of this ARTICLE V, the following definitions shall apply:

(a) "Conversion Price" shall mean \$0.44299 per share for the Series A Preferred Stock, \$0.85285 per share for the Series B Preferred Stock, \$0.9453 per share for the Series C Preferred Stock and \$0.9165 per share for the Series D Preferred Stock (in each case, subject to adjustment from time to time for Recapitalizations and as otherwise set forth elsewhere herein).

(b) "Convertible Securities" shall mean any evidences of indebtedness, shares or other securities convertible into or exchangeable for Common Stock.

(c) "Corporation" shall mean The 41st Parameter, Inc.

(d) **"Distribution"** shall mean the transfer of cash or other property without consideration whether by way of dividend or otherwise, other than dividends on Common Stock payable in Common Stock, or the purchase or redemption of shares of the Corporation for cash or property other than: (i) repurchases of Common Stock issued to or held by employees, officers, directors or consultants of the Corporation or its subsidiaries upon termination of their employment or services pursuant to agreements providing for the right of said repurchase, (ii) repurchases of Common Stock by of the Corporation or its subsidiaries pursuant to rights of first refusal contained in agreements providing for such right, (iii) repurchase of capital stock of the Corporation in connection with the settlement of disputes with any stockholder, and (iv) any other repurchase or redemption of capital stock of the Corporation approved by the holders of the Common Stock and Preferred Stock (as a single class and on an as-converted basis) of the Corporation voting as separate classes.

(e) **"Dividend Rate"** shall mean an annual rate of \$0.0354392 per share for the Series A Preferred Stock, an annual rate of \$0.0682280 per share for the Series B Preferred Stock, an annual rate of \$0.077464 per share for the Series C Preferred Stock and an annual rate of \$0.073320 per share for the Series D Preferred Stock (in each case, subject to adjustment from time to time for Recapitalizations of the Preferred Stock as set forth elsewhere herein).

(f) **"Liquidation Preference"** shall mean \$0.44299 per share for the Series A Preferred Stock, \$0.85285 per share for the Series B Preferred Stock, \$0.9683 per share for the Series C Preferred Stock and \$0.9165 per share for the Series D Preferred Stock (in each case, subject to adjustment from time to time for Recapitalizations of the Preferred Stock as set forth elsewhere herein).

(g) **"Options"** shall mean rights, options or warrants to subscribe for, purchase or otherwise acquire Common Stock or Convertible Securities.

(h) **"Original Issue Price"** shall mean \$0.44299 per share for the Series A Preferred Stock, \$0.85285 per share for the Series B Preferred Stock, \$0.9683 per share for the Series C Preferred Stock and \$0.9165 per share for the Series D Preferred Stock (in each case, subject to adjustment from time to time for Recapitalizations of the Preferred Stock as set forth elsewhere herein).

(i) **"Preferred Stock"** shall mean the Series A Preferred Stock, the Series B Preferred Stock, the Series C Preferred Stock and the Series D Preferred Stock, collectively.

(j) **"Recapitalization"** shall mean any stock dividend, stock split, combination of shares, reorganization, recapitalization, reclassification or other similar event occurring after the date hereof.

2. Dividends.

(a) **Preferred Stock.** In any calendar year, the holders of outstanding shares of Preferred Stock shall be entitled to receive dividends, when, as and if declared by the Board of Directors, out of any assets at the time legally available therefor, at the Dividend Rate specified for such shares of Preferred Stock payable in preference and priority to any declaration or payment of any Distribution on Common Stock of the Corporation in such calendar year. No Distributions shall be made with respect to the Common Stock until all declared dividends on the Preferred Stock have been paid or set aside for payment to the Preferred Stock holders. The right to receive dividends on shares of Preferred Stock shall not be cumulative, and no right to such dividends shall accrue to holders of Preferred Stock by reason of the fact that dividends on said shares are not declared or paid in any calendar year. If dividends are paid on any share of Common Stock pursuant to Section 2(b) below, an additional dividend shall be paid with respect to all outstanding shares of Preferred Stock in an amount per share equal to (on an as-converted-to-common stock basis) the amount paid or set aside for each share of Common Stock.

(b) Common Stock. Dividends may be paid on the Common Stock when, as and if declared by the Board of Directors, subject to the prior dividend rights of the Preferred Stock pursuant to ARTICLE V, Section 2(a) above.

(c) Non-Cash Distributions. Whenever a Distribution provided for in this Section 2 shall be payable in property other than cash, the value of such Distribution shall be deemed to be the fair market value of such property as determined in good faith by the Board of Directors.

3. Liquidation Rights.

(a) Liquidation Preference. In the event of any liquidation, dissolution or winding up of the Corporation, either voluntary or involuntary (a "Liquidation"), the holders of the Preferred Stock shall be entitled to receive, *pari passu* among each other and prior and in preference to any Distribution of any of the assets of the Corporation to the holders of the Common Stock by reason of their ownership of such stock, an amount per share for each share of Preferred Stock held by them equal to the sum of (i) the Liquidation Preference specified for such share of Preferred Stock and (ii) all declared but unpaid dividends (if any) on such share of Preferred Stock. If upon the liquidation, dissolution or winding up of the Corporation, the assets of the Corporation legally available for distribution to the holders of the Preferred Stock are insufficient to permit the payment to such holders of the full amounts specified in this Section 3(a), then the entire assets of the Corporation legally available for distribution shall be distributed with equal priority and *pro rata* among the holders of the Preferred Stock in proportion to the full amounts they would otherwise be entitled to receive pursuant to this Section 3(a).

(b) Remaining Assets. Except as provided in Section 3(d), after the payment or setting aside for payment to the holders of Preferred Stock of the full amounts specified in Section 3(a) above, the entire remaining assets of the Corporation legally available for distribution shall be distributed *pro rata* to holders of the Common Stock of the Corporation in proportion to the number of shares of Common Stock held by them.

(c) Shares not Treated as Both Preferred Stock and Common Stock in any Distribution. Shares of Preferred Stock shall not be entitled to be converted into shares of Common Stock in order to participate in any Distribution, or series of Distributions, as shares of Common Stock, without first foregoing participation in the Distribution, or series of Distributions, as shares of Preferred Stock.

(d) Reorganization. For purposes of this Section 3, unless otherwise determined by the holders of at least a majority-in-interest of the then outstanding shares of Preferred Stock (pursuant to a waiver of such holders' liquidation rights under this Section 3, and voting as a single class on an as-converted basis), a Liquidation shall be deemed to be occasioned by, or to include, a Change of Control. A "Change of Control" shall mean: (a) the acquisition of the Corporation by another entity by means of any transaction or series of related transactions to which the Corporation is party (including, without limitation, any stock acquisition, reorganization, merger or consolidation but excluding any sale of stock consummated principally for capital raising purposes) other than a transaction or series of transactions in which the holders of the voting securities of the Corporation outstanding immediately prior to such transaction continue to retain (either by such voting securities remaining outstanding or by such voting securities being converted into voting securities of the surviving entity), as a result of shares in the Corporation held by such holders prior to such transaction, at least fifty percent (50%) of the total voting power represented by the voting securities of the Corporation or such surviving entity outstanding immediately after such transaction or series of transactions; or (b) a sale, exclusive license, lease or other conveyance or disposition of all or substantially all of the assets of the Corporation. In the event of a Change of Control, upon the closing of such Change of Control each holder of Preferred Stock shall be entitled to receive, for each share of Preferred Stock then held, out of the proceeds of such Change of Control, the greater of the amount of cash, securities or other property

which such holder would be entitled to receive either (i) pursuant to Section 3(a) above, or (ii) if such holder had converted such shares of Preferred Stock into shares of Common Stock immediately prior to the closing of such Change of Control.

(e) Valuation of Non-Cash Consideration. If any assets of the Corporation distributed to stockholders in connection with any Liquidation are other than cash, then the value of such assets shall be their fair market value as determined in good faith by the Board of Directors.

4. Conversion. The holders of the Preferred Stock shall have conversion rights as follows:

(a) Right to Convert. Each share of Preferred Stock shall be convertible, at the option of the holder thereof, at any time after the date of issuance of such share at the office of the Corporation or any transfer agent for the Preferred Stock, into that number of fully-paid, nonassessable shares of Common Stock determined by dividing the Original Issue Price for the relevant series by the Conversion Price for such series. (The number of shares of Common Stock into which each share of Preferred Stock of a series may be converted is hereinafter referred to as the "Conversion Rate" for each such series.) Upon any decrease or increase in the Conversion Price for any series of Preferred Stock, as described in this Section 4, the Conversion Rate for such series shall be appropriately increased or decreased.

(b) Automatic Conversion. Each share of Preferred Stock shall automatically be converted into fully-paid, non-assessable shares of Common Stock at the then effective Conversion Rate for such share (i) immediately prior to the closing of a firm commitment underwritten initial public offering ("IPO") pursuant to an effective registration statement filed under the Securities Act of 1933, as amended (the "Securities Act"), covering the offer and sale of the Corporation's Common Stock, provided that the offering price per share yields a pre-IPO valuation of the Corporation equal to or in excess of \$100,000,000 and the aggregate gross proceeds to the Corporation exceed \$20,000,000 (before deduction of underwriter commissions and expenses), or (ii) upon the receipt by the Corporation of a written request for such conversion from the holders of at least a majority-in-interest of the Preferred Stock then outstanding, voting together as a single class on an as-converted to Common Stock basis, or, if later, the effective date for conversion specified in such requests (each of the events referred to in (i) and (ii) are referred to herein as an "Automatic Conversion Event").

(c) Mechanics of Conversion. No fractional shares of Common Stock shall be issued upon conversion of 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 then fair market value of a share of Common Stock as determined by the Board of Directors. For such purpose, all shares of Preferred Stock held by each holder of Preferred Stock then being converted into Common Stock shall be aggregated, and any resulting fractional share of Common Stock shall be paid in cash. Before any holder of Preferred Stock shall be entitled to convert the same into full shares of Common Stock, and to receive certificates therefor, he shall either (A) surrender the certificate or certificates therefor, duly endorsed, at the office of the Corporation or of any transfer agent for the Preferred Stock or (B) notify the Corporation or its transfer agent that such certificates have been lost, stolen or destroyed and execute an agreement satisfactory to the Corporation to indemnify the Corporation from any loss incurred by it in connection with such certificates, and shall give written notice to the Corporation at such office that he elects to convert the same; provided, however, that on the date of an Automatic Conversion Event, the outstanding shares of Preferred Stock shall be converted automatically without any further action by the holders of such shares and whether or not the certificates representing such shares are surrendered to the Corporation or its transfer agent; and provided further, however, that the Corporation shall not be obligated to issue certificates evidencing the shares of Common Stock issuable upon such Automatic Conversion Event unless either the certificates evidencing such shares of Preferred Stock are delivered to the Corporation or its transfer agent as provided above, or the

holder notifies the Corporation or its transfer agent that such certificates have been lost, stolen or destroyed and executes an agreement satisfactory to the Corporation to indemnify the Corporation from any loss incurred by it in connection with such certificates. On the date of the occurrence of an Automatic Conversion Event, each holder of record of shares of Preferred Stock shall be deemed to be the holder of record of the Common Stock issuable upon such conversion, notwithstanding that the certificates representing such shares of Preferred Stock shall not have been surrendered at the office of the Corporation, that notice from the Corporation shall not have been received by any holder of record of shares of Preferred Stock, or that the certificates evidencing such shares of Common Stock shall not then be actually delivered to such holder.

The Corporation shall, as soon as practicable after such delivery of such certificates, or after such agreement and indemnification, issue and deliver at such office to such holder of Preferred Stock, a certificate or certificates for the number of shares of Common Stock to which he shall be entitled as aforesaid and a check payable to the holder in the amount of any cash amounts payable as the result of a conversion into fractional shares of Common Stock, plus any declared and unpaid dividends on the converted Preferred Stock. Such conversion (if other than in connection with an Automatic Conversion Event) shall be deemed to have been made immediately prior to the close of business on the date of such surrender of the shares of Preferred Stock to be converted, and the person or persons entitled to receive the shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder or holders of such shares of Common Stock on such date; provided, however, that if the conversion is in connection with an underwritten offer of securities registered pursuant to the Securities Act or a merger, sale, financing, or liquidation of the Corporation or other event, the conversion may, at the option of any holder tendering Preferred Stock for conversion, be conditioned upon the closing of such transaction or upon the occurrence of such event, in which case the person(s) entitled to receive the Common Stock issuable upon such conversion of the Preferred Stock shall not be deemed to have converted such Preferred Stock until immediately prior to the closing of such transaction or the occurrence of such event.

(d) Adjustments to Conversion Price for Diluting Issues.

(i) Special Definition. For purposes of this paragraph 4(d), “Additional Shares of Common” shall mean all shares of Common Stock issued (or, pursuant to paragraph 4(d)(ii), deemed to be issued) by the Corporation after the filing of this Amended and Restated Certificate of Incorporation, other than issuances or deemed issuances of:

(1) shares of Common Stock issued or issuable after the date of the filing of this Amended and Restated Certificate of Incorporation (the “Filing Date”) to officers, directors and employees of, or consultants or other service providers to, the Corporation pursuant to stock grants, option plans, purchase plans or other employee stock incentive programs or arrangements approved by the Board of Directors, not to exceed the aggregate number of shares of Common Stock reserved and authorized across all such grants and/or plans as of the Filing Date (as appropriately adjusted for any Recapitalizations), or such greater number of shares of Common Stock as may be approved by the Board of Directors and the affirmative vote of holders of at least a majority-in-interest of the Preferred Stock (voting together as a single class on an as-converted basis);

(2) shares of Common Stock actually issued upon conversion of the Preferred Stock;

(3) shares of Common Stock issued upon the exercise or conversion of Options or Convertible Securities outstanding as of the Filing Date;

(4) shares of Common Stock issued or issuable as a dividend or distribution on Preferred Stock or pursuant to any event for which adjustment is made pursuant to paragraph 4(e), 4(f) or 4(g) hereof;

(5) shares of Common Stock issued in a registered public offering under the Securities Act;

(6) shares of Common Stock issued or issuable pursuant to the acquisition of another corporation by the Corporation by merger, purchase of substantially all of the assets or other reorganization or to a joint venture agreement, provided, that such issuances are approved by the holders of at least a majority-in-interest of the Preferred Stock (voting together as a single class on an as-converted basis);

(7) shares of Common Stock issued or issuable to banks, equipment lessors or other financial institutions pursuant to a debt financing or commercial leasing transaction approved by the Board of Directors and the affirmative vote of holders of at least a majority-in-interest of the Preferred Stock (voting together as a single class on an as-converted basis);

(8) shares of Common Stock issued or issuable in connection with any settlement of any action, suit, proceeding or litigation approved by the Board of Directors and the affirmative vote of holders of at least a majority-in-interest of the Preferred Stock (voting together as a single class on an as-converted basis);

(9) shares of Common Stock issued or issuable in connection with sponsored research, collaboration, technology license, development, OEM, marketing or other similar agreements or strategic partnerships or alliances approved by the Board of Directors and the affirmative vote of holders of at least a majority-in-interest of the Preferred Stock (voting together as a single class on an as-converted basis);

(10) shares of Common Stock issued or issuable upon exercise of warrants to purchase shares of Common Stock issued in connection with bridge financings approved by the Board of Directors and the affirmative vote of holders of at least a majority-in-interest of the Preferred Stock (voting together as a single class on an as-converted basis);

(11) shares of Common Stock issued or issuable to suppliers or third party service providers in connection with the provision of goods or services pursuant to transactions approved by the Board of Directors and the affirmative vote of holders of at least a majority-in-interest of the Preferred Stock (voting together as a single class on an as-converted basis); and

(12) shares of Common Stock issued or issuable upon conversion of shares of Series D Preferred Stock (x) issued pursuant to that certain Series D Preferred Stock Purchase Agreement dated as of March 19, 2012 by and among the Corporation and the Investors (as described therein).

(ii) Deemed Issue of Additional Shares of Common. In the event the Corporation at any time or from time to time after the Filing Date shall issue any Options or Convertible Securities 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 (as set forth in the instrument relating thereto without regard to any provisions contained therein for a subsequent adjustment of such number) of Common Stock issuable upon the exercise of such Options or, in the case of Convertible Securities, the conversion or exchange of such Convertible Securities or, in the case of Options for Convertible Securities, the exercise of such Options and the conversion or exchange of the underlying

securities, shall be deemed to have been 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, provided that in any such case in which shares are deemed to be issued:

(1) no further adjustment in the Conversion Price of any series of Preferred Stock shall be made upon the subsequent issue of Convertible Securities or shares of Common Stock in connection with the exercise of such Options or conversion or exchange of such Convertible Securities;

(2) if such Options or Convertible Securities by their terms provide, with the passage of time or otherwise, for any change in the consideration payable to the Corporation or in the number of shares of Common Stock issuable upon the exercise, conversion or exchange thereof (other than a change pursuant to the anti-dilution provisions of such Options or Convertible Securities such as this Section 4(d) or pursuant to Recapitalization provisions of such Options or Convertible Securities such as Sections 4(e), 4(f) and 4(g) hereof), the Conversion Price of each series of Preferred Stock and any subsequent adjustments based thereon shall be recomputed to reflect such change as if such change had been in effect as of the original issue thereof (or upon the occurrence of the record date with respect thereto);

(3) no readjustment pursuant to clause (2) above shall have the effect of increasing the Conversion Price of a series of Preferred Stock to an amount above the Conversion Price that would have resulted from any other issuances of Additional Shares of Common and any other adjustments provided for herein between the original adjustment date and such readjustment date;

(4) upon the expiration of any such Options or any rights of conversion or exchange under such Convertible Securities which shall not have been exercised, the Conversion Price of each series of Preferred Stock computed upon the original issue thereof (or upon the occurrence of a record date with respect thereto) and any subsequent adjustments based thereon shall, upon such expiration, be recomputed as if:

(a) in the case of Convertible Securities or Options for Common Stock, the only Additional Shares of Common issued were the shares of Common Stock, if any, actually issued upon the exercise of such Options or the conversion or exchange of such Convertible Securities and the consideration received therefor was the consideration actually received by the Corporation for the issue of such exercised Options plus the consideration actually received by the Corporation upon such exercise or for the issue of all such Convertible Securities which were actually converted or exchanged, plus the additional consideration, if any, actually received by the Corporation upon such conversion or exchange, and

(b) in the case of Options for Convertible Securities, only the Convertible Securities, if any, actually issued upon the exercise thereof were issued at the time of issue of such Options, and the consideration received by the Corporation for the Additional Shares of Common deemed to have been then issued was the consideration actually received by the Corporation for the issue of such exercised Options, plus the consideration deemed to have been received by the Corporation (determined pursuant to Section 4(d)(iv)) upon the issue of the Convertible Securities with respect to which such Options were actually exercised; and

(5) if such record date shall have been fixed and such Options or Convertible Securities are not issued on the date fixed therefor, the adjustment previously made in the Conversion Price which became effective on such record date shall be canceled as of the close of business on such record date, and thereafter the Conversion Price shall be adjusted pursuant to this paragraph 4(d)(ii) as of the actual date of their issuance.

(iii) Adjustment of Conversion Price Upon Issuance of Additional Shares of Common. In the event this Corporation shall issue Additional Shares of Common (including Additional Shares of Common deemed to be issued pursuant to paragraph 4(d)(ii)) without consideration or for a consideration per share less than the applicable Conversion Price of a series of Preferred Stock in effect on the date of and immediately prior to such issue, then, the Conversion Price of the affected series of Preferred Stock shall be reduced, concurrently with such issue, to a price (calculated to the nearest cent) determined by multiplying such Conversion Price by a fraction, the numerator of which shall be the number of shares of Common Stock outstanding immediately prior to such issue plus the number of shares which the aggregate consideration received by the Corporation for the total number of Additional Shares of Common so issued would purchase at such Conversion Price, and the denominator of which shall be the number of shares of Common Stock outstanding immediately prior to such issue plus the number of such Additional Shares of Common so issued. Notwithstanding the foregoing, the Conversion Price shall not be reduced at such time if the amount of such reduction would be less than \$0.01, but any such amount shall be carried forward, and a reduction will be made with respect to such amount at the time of, and together with, any subsequent reduction which, together with such amount and any other amounts so carried forward, equal \$0.01 or more in the aggregate. For the purposes of this Subsection 4(d)(iii), all shares of Common Stock issuable upon conversion of all outstanding shares of Preferred Stock and the exercise and/or conversion of any other outstanding Convertible Securities and all outstanding Options shall be deemed to be outstanding.

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

(1) Cash and Property. Such consideration shall:

(a) insofar as it consists of cash, be computed at the aggregate amount of cash received by the Corporation before deducting any reasonable discounts, commissions or other expenses allowed, paid or incurred by the Corporation for any underwriting or otherwise in connection with such issuance;

(b) 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; and

(c) in the event Additional Shares of Common 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 (a) and (b) above, as reasonably determined in good faith by the Board of Directors.

(2) Options and Convertible Securities. The consideration per share received by the Corporation for Additional Shares of Common deemed to have been issued pursuant to paragraph 4(d)(ii) shall be determined by dividing:

(x) 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

(y) 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.

(e) Adjustments for Subdivisions or Combinations of Common Stock. In the event the outstanding shares of Common Stock shall be subdivided (by stock split, by payment of a stock dividend or otherwise), into a greater number of shares of Common Stock without a corresponding subdivision of the Preferred Stock, the Conversion Price of each series of Preferred Stock in effect immediately prior to such subdivision shall, concurrently with the effectiveness of such subdivision, be proportionately decreased. In the event the outstanding shares of Common Stock shall be combined (by reclassification or otherwise) into a lesser number of shares of Common Stock without a corresponding combination of the Preferred Stock, the Conversion Prices in effect immediately prior to such combination shall, concurrently with the effectiveness of such combination, be proportionately increased.

(f) Adjustments for Subdivisions or Combinations of Preferred Stock. In the event the outstanding shares of Preferred Stock or a series of Preferred Stock shall be subdivided (by stock split, by payment of a stock dividend or otherwise), into a greater number of shares of Preferred Stock without a corresponding subdivision of the Common Stock, the Dividend Rate, Original Issue Price and Liquidation Preference of the affected series of Preferred Stock in effect immediately prior to such subdivision shall, concurrently with the effectiveness of such subdivision, be proportionately decreased. In the event the outstanding shares of Preferred Stock or a series of Preferred Stock shall be combined (by reclassification or otherwise) into a lesser number of shares of Preferred Stock without a corresponding combination of the Common Stock, the Dividend Rate, Original Issue Price and Liquidation Preference of the affected series of Preferred Stock in effect immediately prior to such combination shall, concurrently with the effectiveness of such combination, be proportionately increased.

(g) Adjustments for Reclassification, Exchange and Substitution. Subject to Section 3 above ("Liquidation Rights"), if the Common Stock issuable upon conversion of the Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for above), then, in any such event, in lieu of the number of shares of Common Stock which the holders would otherwise have been entitled to receive each holder of such Preferred Stock shall have the right thereafter to convert such shares of Preferred Stock into a number of shares of such other class or classes of stock which a holder of the number of shares of Common Stock deliverable upon conversion of such series of Preferred Stock immediately before that change would have been entitled to receive in such reorganization or reclassification, all subject to further adjustment as provided herein with respect to such other shares.

(h) Certificate as to Adjustments. Upon the occurrence of each adjustment or readjustment of the Conversion Price pursuant to this Section 4, the Corporation at its expense shall promptly compute such adjustment or readjustment in accordance with the terms hereof and furnish to each holder of Preferred Stock a certificate setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment or readjustment is based. The Corporation shall, upon the request at any time of any holder of Preferred Stock, furnish or cause to be furnished to such holder a like certificate setting forth (i) such adjustments and readjustments, (ii) the Conversion Price at the time in effect and (iii) the number of shares of Common Stock and the amount, if any, of other property which at the time would be received upon the conversion of Preferred Stock.

(i) Waiver of Adjustment of Conversion Price. Notwithstanding anything herein to the contrary, any downward adjustment of the Conversion Price of any series of Preferred Stock may be waived

by the consent or vote of the holders of at least sixty percent (60%) of the outstanding shares of such series either before or after the issuance causing the adjustment.

(j) Notices. Any notice required by the provisions of this Section 4 shall be in writing and shall be deemed effectively given: (i) upon personal delivery to the party to be notified, (ii) when sent by confirmed electronic mail or facsimile if sent during normal business hours of the recipient; if not, then on the next business day, (iii) three (3) days after having been sent by registered or certified mail, return receipt requested, postage prepaid, or (iv) one (1) day after deposit with a nationally recognized overnight courier, specifying next day delivery, with verification of receipt. All notices shall be addressed to each holder of record at the address of such holder appearing on the books of the corporation.

(k) Reservation of Stock Issuable Upon Conversion. The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock solely for the purpose of effecting the conversion of the shares of the Preferred Stock, such number of its shares of Common Stock as shall from time to time be sufficient to effect the conversion of all then outstanding shares of the 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 will take such corporate action as may, in the opinion of its counsel, be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purpose.

5. Voting.

(a) Restricted Class Voting. Except as otherwise expressly provided herein or as required by law, the holders of Preferred Stock and the holders of Common Stock shall vote together and not as separate classes.

(b) No Series Voting. Other than as provided herein or required by law, there shall be no series voting.

(c) Preferred Stock. Each holder of Preferred Stock shall be entitled to the number of votes equal to the number of shares of Common Stock into which the shares of Preferred Stock held by such holder could be converted as of the record date. The holders of shares of the Preferred Stock shall be entitled to vote on all matters on which the Common Stock shall be entitled to vote. Holders of Preferred Stock shall be entitled to notice of any stockholders' meeting in accordance with the Bylaws of the Corporation. Fractional votes shall not, however, be permitted and any fractional voting rights resulting from the above formula (after aggregating all shares into which shares of Preferred Stock held by each holder could be converted), shall be disregarded.

(d) Election of Directors. So long as at least 16,585,320 shares of Preferred Stock remain outstanding (as appropriately adjusted for any Recapitalizations of the Preferred Stock), the holders of the then outstanding Preferred Stock (voting together as a single class separate from the Common Stock and on an as-converted basis) shall be entitled to elect three (3) members of the Corporation's Board of Directors at each meeting or pursuant to each consent of the Corporation's stockholders for the election of directors (each a "Preferred Director"). The holders of Common Stock, voting as a separate class, shall be entitled to elect two (2) members of the Corporation's Board of Directors at each meeting or pursuant to each consent of the Corporation's stockholders for the election of directors (each a "Common Director"). Any additional members of the Corporation's Board of Directors shall be mutually elected by the holders of at least a majority-in-interest of the then outstanding Common Stock and the holders of at least a majority-in-interest of the then outstanding Preferred Stock, each voting as a separate class and, with respect to the holders of Preferred Stock, together as a single class and on an as-converted to Common Stock basis (each a "Mutual

Director"). If a vacancy on the Board of Directors is to be filled by the Board of Directors, only directors elected by the same class or classes of stockholders as those who would be entitled to vote to fill such vacancy shall vote to fill such vacancy.

(e) Common Stock. Each holder of shares of Common Stock shall be entitled to one vote for each share thereof held, and shall be entitled to notice of any stockholders' meeting in accordance with the Bylaws of this corporation, and shall be entitled to vote upon such matters and in such manner as may be provided by law.

6. Required Class Vote.

(a) As long as at least 11,056,880 shares (as appropriately adjusted for any Recapitalizations of the Preferred Stock) of Preferred Stock shall be issued and outstanding, the Corporation shall not (by merger, amendment, recapitalization or otherwise), without first obtaining the approval (by vote or written consent as provided by law) of the holders of at least a majority-in-interest of the outstanding shares of the Preferred Stock (voting to together as a single class and on an as-converted basis):

(i) amend, alter or change any of the rights, preferences or privileges of the Preferred Stock;

(ii) increase or decrease (other than for decreases resulting from conversion of the Preferred Stock) the authorized number of shares of Common Stock or Preferred Stock;

(iii) create (by reclassification or otherwise) or issue, or obligate itself to issue, any new class or series of capital stock having rights, preferences or privileges senior to any outstanding series of Preferred Stock;

(iv) redeem, repurchase or otherwise reacquire any shares of Preferred Stock or Common Stock (other than pursuant to employment or consulting agreements providing the Company the right to repurchase such shares at the original cost thereof upon the termination of services and provided that such repurchase is approved by the Board of Directors (including general approval of the form of the agreement providing for such repurchase));

(v) pay or declare dividends payable to holders of Preferred Stock or Common Stock;

(vi) increase or decrease the authorized size of the Board of Directors of the Corporation;

(vii) enter into any transaction or series of related transactions that would constitute, be deemed to constitute, or result in a Change of Control;

(viii) amend or alter the rights, preferences or privileges of the Common Stock; or

(ix) otherwise amend the Corporation's Certificate of Incorporation or Bylaws in a manner that adversely affects the rights, preferences or privileges of any series of Preferred Stock.

(b) As long as at least 3,540,000 shares (as appropriately adjusted for any Recapitalizations of the Preferred Stock) of Series D Preferred Stock shall be issued and outstanding, the Corporation shall not (by merger, amendment, recapitalization or otherwise), without first obtaining the approval (by vote or written

consent as provided by law) of the holders of at least a majority-in-interest of the outstanding shares of the Series D Preferred Stock (voting as a separate class and on an as-converted basis):

- (i) amend, alter or change any of the rights, preferences or privileges of the Series D Preferred Stock;
- (ii) increase or decrease (other than for decreases resulting from conversion of the Series D Preferred Stock) the authorized number of shares of Series D Preferred Stock; or
- (iii) otherwise amend the Corporation's Certificate of Incorporation or Bylaws in a manner that adversely affects the rights, preferences or privileges of the Series D Preferred Stock.

7. Redemption. Neither the Preferred Stock nor the Common Stock is redeemable at the option of the holder thereof.

ARTICLE VI

The Corporation is to have perpetual existence.

ARTICLE VII

Elections of directors need not be by written ballot unless a stockholder demands election by written ballot at the meeting and before voting begins or unless the Bylaws of the Corporation shall so provide.

ARTICLE VIII

Unless otherwise set forth herein, the number of directors which constitute the Board of Directors of the Corporation shall be designated in the Bylaws of the Corporation.

ARTICLE IX

In furtherance and not in limitation of the powers conferred by statute, the Board of Directors of the Corporation is expressly authorized to make, alter, amend or repeal the Bylaws of the Corporation.

ARTICLE X

To the fullest extent permitted by the DGCL, as the same may be amended from time to time, a director of the Corporation shall not be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director. If the DGCL is hereafter amended to authorize, with or without the approval of a corporation's stockholders, further reductions in the liability of the Corporation's directors for breach of fiduciary duty, then a director of the Corporation shall not be liable for any such breach to the fullest extent permitted by the DGCL, as so amended. Any repeal or modification of this Article X, or the adoption of any provision of the Corporation's Certificate of Incorporation inconsistent with this Article X, shall only be prospective and shall not adversely affect the rights under this Article X in effect at the time of the alleged occurrence of any action or omission to act giving rise to liability.

ARTICLE XI

To the fullest extent permitted by applicable law, the Corporation is authorized to provide indemnification of (and advancement of expenses to) directors, officers, employees, and other agents of the

Corporation (and any other persons to which DGCL permits the Corporation to provide indemnification), through Bylaw provisions, agreements with any such director, officer, employee or other agent or other person, vote of stockholders or disinterested directors, or otherwise, in excess of the indemnification and advancement otherwise permitted by Section 145 of the DGCL and the laws of any other applicable jurisdiction, subject only to limits created by the provisions of applicable DGCL (statutory or nonstatutory), with respect to actions for breach of duty to a corporation, its stockholders, and others.

Any repeal or modification of any of the foregoing provisions of this Article XI, by amendment of this Article XI or by operation of law, shall not adversely affect any right or protection of a director, officer, employee or other agent or other person existing at the time of, or increase the liability of any director of the Corporation with respect to any acts or omissions of such director, officer or agent occurring prior to such repeal or modification.

ARTICLE XII

Meetings of stockholders may be held within or without the State of Delaware, as the Bylaws may provide. The books of the Corporation may be kept (subject to any provision contained in the statutes) outside of the State of Delaware at such place or places as may be designated from time to time by the Board of Directors or in the Bylaws of the Corporation.

ARTICLE XIII

The Corporation renounces, to the fullest extent permitted by law, any interest or expectancy of the Corporation in, or in being offered an opportunity to participate in, any Excluded Opportunity. An "Excluded Opportunity" is any matter, transaction or interest that is presented to, or acquired, created or developed by, or which otherwise comes into the possession of, (i) any director of the Corporation who is not an employee of the Corporation or any of its subsidiaries, or (ii) any holder of Preferred Stock or any partner, member, director, stockholder, employee or agent of any such holder, other than someone who is an employee of the Corporation or any of its subsidiaries (collectively, "Covered Persons"), unless such matter, transaction or interest is presented to, or acquired, created or developed by, or otherwise comes into the possession of, a Covered Person expressly and solely in such Covered Person's capacity as a director of the Corporation.