

**BY-LAWS
OF
ENTEGRIS, INC.
AS AMENDED DECEMBER 8, 2022**

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of
ENTEGRIS, INC.**

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ENTEGRIS, INC.

BY-LAWS

ARTICLE 1- OFFICES

1.1. Registered Offices. The registered office of Entegris, Inc. (the “Corporation”) in the State of Delaware shall be located at 251 Little Falls Drive, in the City of Wilmington, County of New Castle, Delaware 19808. The name of the Corporation’s registered agent at such address shall be Corporation Service Company. The registered office and/or registered agent of the Corporation may be changed from time to time by action of the Board of Directors.

1.2 Other Offices. The Corporation may also have offices at such other places both within and without the State of Delaware as the Board of Directors may from time to time determine or the business of the Corporation may require.

1.3 Books. The books of the Corporation may be kept within or without of the State of Delaware as the Board of Directors may from time to time determine or the business of the Corporation may require.

ARTICLE 2- STOCKHOLDERS

2.1 Place of Meetings. All meetings of stockholders shall be held at such place within or without the State of Delaware as may be designated from time to time by the Board of Directors or the Chief Executive Officer (or, if there is no Chief Executive Officer, the President). The Board of Directors may, in its sole discretion, determine that a meeting of the stockholders shall not be held at any place, but may instead be held solely by means of remote communication in the manner authorized by the General Corporation Law of the State of Delaware.

2.2 Annual Meeting. The annual meeting of stockholders for the election of directors and for the transaction of such other business as may properly be brought before the meeting shall be held on such date and at such time as shall be fixed by the Board of Directors, pursuant to a resolution adopted by the affirmative vote of a majority of the total number of directors then in office, or by the Chief Executive Officer (or, if there is no Chief Executive Officer, the President) and stated in the notice of the meeting. If no annual meeting is held in accordance with the foregoing provisions, the Board of Directors shall cause the meeting to be held as soon thereafter as convenient.

2.3 Special Meetings. Special meetings of stockholders may be called at any time by only the Chairman of the Board of Directors, the Chief Executive Officer (or, if there is no Chief Executive Officer, the President) or by the Board of Directors of the Corporation pursuant to a resolution adopted by the affirmative vote of a majority of the total number of directors then in office. Any business transacted at any special meeting of stockholders shall be limited to matters relating to the purpose or purposes stated in the notice of meeting.

2.4 Notice of Meetings. Except as otherwise provided by law, written notice of each meeting of stockholders, whether annual or special, shall be given not less than ten (10) nor more than sixty (60) days before the date of the meeting to each stockholder entitled to vote at such meeting. The notices of all meetings shall state the place, date and hour of the meeting. The notice of a special meeting shall state, in addition, the purpose or purposes for which the meeting is called. If mailed, notice is given when deposited in the United States mail, postage prepaid, directed to the stockholder at his or her address as it appears on the records of the Corporation.

2.5 Voting List. The officer who has charge of the stock ledger of the Corporation shall prepare, at least ten (10) days before every meeting of stockholders, a complete list of the stockholders entitled to vote at the meeting, arranged in alphabetical order, and showing the address of each stockholder and the number of shares registered in the name of each stockholder. Such list shall be open to the examination of any stockholder, for any purpose germane to the meeting, during ordinary business hours, for a period of at least ten (10) days prior to the meeting, at the principal place of business of the Corporation.

2.6 Quorum. Except as otherwise provided by law, the Certificate of Incorporation or these By-Laws, the holders of a majority of the shares of the capital stock of the Corporation issued and outstanding and entitled to vote at the meeting, present in person or represented by proxy, shall constitute a quorum for the transaction of business.

2.7 Adjournments. Any meeting of stockholders may be adjourned to any other time and to any other place at which a meeting of stockholders may be held under these By-Laws by a majority of the stockholders present or represented at the meeting and entitled to vote, although less than a quorum, or, if no stockholder is present, by any officer entitled to preside at or to act as Secretary of such meeting. It shall not be necessary to notify any stockholder of any adjournment of less than thirty (30) days if the time and place of the adjourned meeting are announced at the meeting at which adjournment is taken, unless after the adjournment a new record date is fixed for the adjourned meeting. At the adjourned meeting, the Corporation may transact any business which might have been transacted at the original meeting.

2.8 Voting and Proxies. Except as otherwise provided by the Delaware General Corporation Law, the Certificate of Incorporation or these By-Laws, each stockholder shall have one vote for each share of capital stock entitled to vote and held of record by such stockholder. To the extent permitted by law, each stockholder of record entitled to vote at a meeting of stockholders may vote in person or may authorize another person or persons to vote or act for him or her by proxy, which proxy may be authorized in writing, telegram, cablegram or other means of electronic transmission by the stockholder or his or her authorized agent. No such proxy shall be voted or acted upon after three years from the date of its execution, unless the proxy expressly provides for a longer period.

2.9 Proxy Representation. Every stockholder may authorize another person or persons to act for him or her by proxy in all matters in which a stockholder is entitled to participate, whether by waiving notice of any meeting, objecting to or voting or participating at a meeting, or expressing consent or dissent without a meeting. No proxy shall be voted or acted upon after three years from its date unless such proxy provides for a longer period. A duly executed proxy shall be irrevocable if it states that it is irrevocable and, if, and only as long as, it is coupled with an interest sufficient in law to support an irrevocable power. A proxy may be made irrevocable regardless of whether the interest with which it is coupled is an interest in the stock itself or an interest in the Corporation generally.

2.10 Action at Meeting. When a quorum is present at any meeting, a majority of the votes properly cast for an uncontested election and a plurality of the votes properly cast for a contested election (as defined in Section 3.3 below) to any office shall elect to such office and a majority of the votes properly cast upon any question other than an election to an office shall decide the question, except when a larger vote is required by law, by the Certificate of Incorporation or by these By-Laws. No ballot shall be required for any election unless requested by a stockholder present or represented at the meeting and entitled to vote in the election.

2.11 Nomination of Directors. Only persons who are nominated in accordance with the following procedures shall be eligible for election as directors. The nomination for election to the Board of Directors of the Corporation at a meeting of stockholders may be made by (i) the Board of Directors; (ii) any stockholder of the Corporation who is a stockholder of record at the time the notice provided for in this Section 2.11 is delivered to the Secretary and on the record date for the determination of stockholders entitled to vote for the election of directors at such meeting who complies with the notice procedures set forth in this Section 2.11 and the applicable requirements of Rule 14a-19 under the Exchange Act (as defined below); or (iii) an Eligible Stockholder (as defined in Section 2.13 of these By-Laws) who complies with the procedures set forth in Section 2.13 of these By-Laws. Nominations pursuant to clause (ii) of the preceding sentence shall be made by notice in writing delivered or mailed by first class United States mail, postage prepaid, to the Secretary, and received at the principal executive offices of the Corporation not less than ninety (90) days nor more than one hundred twenty (120) days prior to the anniversary date of the immediately preceding annual meeting of stockholders; provided, however, that if the annual meeting is not held within twenty-five (25) days before or after such anniversary date, then such nomination shall have been delivered to or mailed and received by the Secretary not later than the close of business on the 10th day following the date on which the notice of the meeting was mailed or such public disclosure was made, whichever occurs first. In no event shall any adjournment or postponement of an annual meeting or the announcement thereof commence a new time period for the giving of a stockholder's notice as described above. Such notice shall set forth (a) as to each proposed nominee (i) the name, age, business address and, if known, residence address of each such nominee, (ii) the principal occupation or employment of each such nominee, (iii) the number of shares of stock of the Corporation which are beneficially owned by each such nominee, (iv) the information required by clause (c)(iii) of Section 2.12 below, (v) the written representation and agreement described in Section 3.2(b), (vi) any other information concerning the nominee that must be disclosed as to nominees in proxy solicitations pursuant to Regulation 14A under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including such person's written consent to be named as a nominee in any proxy statement relating to the applicable meeting of stockholders and to serve as a director if elected, and (vii) a statement whether such nominee, if elected, has agreed to tender, in advance of the meeting for the election of directors, an irrevocable resignation to be effective if, at the next meeting for the election of directors: (A) the director does not receive the majority vote required by Section 3.3 below and (B) the Board of Directors accepts such resignation; and (b) as to the stockholder giving the notice (i) the name and address, as they appear on the Corporation's books, of such stockholder; (ii) the class and number of shares of the Corporation which are beneficially owned by such stockholder; (iii) the information required by clause (c)(iii) of Section 2.12 below; (iv) a description of all direct and indirect compensation and any other material agreement, arrangement, understanding or relationship during the past three years between or among such stockholder and its affiliates and associates, or others with whom such stockholder is acting in concert, on the one hand, and each such nominee and his or her affiliates and associates, or others with whom such nominee is acting in concert, on the other hand, including, without limitation, all information that would be required to be disclosed pursuant to Item 404 promulgated under Securities and Exchange Commission Regulation S-K if the stockholder making the nomination, or any affiliate or associate of such stockholder or person

with whom the stockholder is acting in concert, were the “registrant” for purposes of such rule and the nominee were a director or executive officer of such registrant; and (v) all other information required by Rule 14a-19 under the Exchange Act. A stockholder providing notice of any nomination proposed to be made at a meeting of stockholders shall further update and supplement such notice (i), if necessary, so that the information provided or required to be provided in such notice pursuant to this Section 2.11

shall be true and correct as of the record date for determining the stockholders entitled to receive notice of and to vote at such meeting of stockholders, and such update and supplement must be received by the Secretary at the principal executive offices of the Corporation not later than five (5) business days following the later of the record date for the determination of stockholders entitled to receive notice of and to vote at the meeting of stockholders and the date notice of the record date is first publicly disclosed and (ii) to provide evidence that the stockholder providing the notice has solicited proxies from holders representing at least 67% of the voting power of the shares of capital stock entitled to vote in the election of directors, and such update and supplement must be received by the Secretary at the principal executive offices of the Corporation not later than five (5) business days after the stockholder files a definitive proxy statement in connection with the meeting of stockholders. The Corporation may require any proposed nominee to furnish such other information as may reasonably be required by the Corporation to determine the eligibility of such proposed nominee to serve as a director of the Corporation.

The chairman of the meeting may, if the facts warrant, determine and declare to the meeting that a nomination was not made in accordance with the foregoing procedure or that the solicitation in support of such nominee was not conducted in compliance with Rule 14a-19 under the Exchange Act, and if he or she should so determine, he or she shall so declare to the meeting and the defective nomination shall be disregarded.

2.12 Notice of Business at Annual Meetings. (a) At an annual meeting of the stockholders, only such business shall be conducted as shall have been properly brought before the meeting. To be properly brought before an annual meeting, business must be (i) specified in the notice of meeting (or any supplement thereto) given by or at the direction of the Board of Directors, (ii) otherwise properly brought before the meeting by or at the direction of the Board of Directors, or (iii) otherwise properly brought before an annual meeting by a stockholder who is a stockholder of record at the time the notice provided for in this Section 2.12 is delivered to the Secretary and on the record date for the determination of stockholders entitled to vote at the meeting and who complies with the notice procedures set forth in this Section 2.12.

(b) In order to assure that stockholders and the Corporation have a reasonable opportunity to consider business proposed to be brought before an annual meeting of stockholders and to allow for full information to be distributed to stockholders, for business (other than nomination of a person for election as a director of the Corporation, which is governed by Section 2.11 of these By-Laws) to be properly brought before an annual meeting by a stockholder the stockholder must have given timely notice thereof in proper written form to the Secretary pursuant to clause (iii) of the foregoing paragraph, and such business must be a proper subject for stockholder action under the Delaware General Corporation Law. To be timely, a stockholder’s notice must be delivered to the Secretary not later than the close of business on the ninetieth (90th) day nor earlier than the one hundred twentieth (120th) day prior to the anniversary date of the immediately preceding annual meeting of stockholders; *provided, however*, that if the annual meeting is not held within twenty-five (25) days before or

after such anniversary date, then for the notice by the stockholder to be timely it must be so received not later than the close of business on the 10th day following the date on which the notice of the date of such meeting was mailed or public announcement (as defined in Section 2.12 (f) below) of such date was first made by the Corporation, whichever occurs first. In no event shall any adjournment or postponement of an annual meeting or the announcement thereof commence a new time period for the giving of a stockholder's notice as described above.

(c) A stockholder's notice to the Secretary shall set forth:

(i) As to each matter the stockholder proposes to bring before the annual meeting (1) a brief description of the business desired to be brought before the annual meeting and the reasons for conducting such business at the annual meeting, and (2) any substantial (as that term is used in Item 5 of Schedule 14A of the Exchange Act) interest in such business of such stockholder and/or of the beneficial owner (as defined in Section 2.12 (f) below), if any, on whose behalf the business is being proposed;

(ii) As to the stockholder giving the notice and/or the beneficial owner, if any, on whose behalf the business is being proposed (1) the name and address of the stockholder proposing such business, as they appear on the Corporation's books and the name and address of such beneficial owner, (2) the class and number of shares of the Corporation which are beneficially owned by such stockholder and by such beneficial owner as of the date of the notice; and (3) a representation that: (A) the stockholder will notify the Corporation in writing within five (5) business days after the record date for such meeting of the class or series and number of shares of capital stock of the Corporation owned of record by the stockholder and such beneficial owner as of the record date for the meeting, and (B) the stockholder intends to appear in person or by proxy at the meeting to bring such business before the meeting.

(iii) As to the stockholder giving the notice and, if the notice is given on behalf of a beneficial owner on whose behalf the business is being proposed, as to such beneficial owner: (1) the class or series and number of shares of capital stock of the Corporation that are beneficially owned by such stockholder or beneficial owner as of the date of the notice and by each associate (as defined in Section 2.12(f) below) of the stockholder or beneficial owner as of the date of the notice; (2) a description of any agreement, arrangement or understanding (whether or not in writing) with respect to the business between or among such stockholder or beneficial owner and any other person, including without limitation any agreements that would be required to be described or reported pursuant to Item 5 or Item 6 of Exchange Act Schedule 13D (regardless of whether the requirement to file a Schedule 13D is applicable to the shareholder or beneficial owner); (3) a description of any agreement, arrangement or understanding (whether or not in writing and including any derivative or short positions, profit interests, options, hedging transactions, and borrowed or loaned shares, regardless of whether settled in shares or in cash) that has been entered into as of the date of the stockholder's notice by, or on behalf of, such

stockholder or beneficial owner, the effect or intent of which is to mitigate loss, manage risk or benefit from changes in the share price of any class or series of the Corporation's capital stock, or increase or decrease the voting power of the stockholder or beneficial owner with respect to

shares of capital stock of the Corporation, including the notional number of shares that are the subject of such agreement, arrangement or understanding; and (4) a description of any agreement, arrangement or understanding (whether or not in writing) between or among such stockholder or beneficial owner and any other person relating to acquiring, holding, voting or disposing of any shares of stock of the Corporation, including the number of shares that are the subject of such agreement, arrangement or understanding;

(iv) As to the stockholder giving the notice or, if the notice is given on behalf of a beneficial owner on whose behalf the business is being proposed, as to such beneficial owner, a covenant that the stockholder will notify the Corporation in writing within five (5) business days after the record date for such meeting as to the status of each of the matters set forth in clauses 1 through 4 of the preceding paragraph (iii) as of the record date for the meeting;

(v) A representation: (1) as to whether the stockholder or the beneficial owner will engage in a solicitation with respect to such proposal and, if so, the name of each participant (as defined in Item 4 of Schedule 14A under the Exchange Act) in such solicitation and whether such person or group intends to deliver a proxy statement and/or form of proxy to holders of at least the percentage of the Corporation's outstanding capital stock required to approve or adopt the business to be proposed (in person or by proxy) by the stockholder; and (2) that the information provided in the notice in compliance with this Section 2.12 is accurate and complete as of the date of such notice; and

(vi) As to the stockholder giving the notice and the beneficial owner, if any, on whose behalf the business is being proposed, such stockholders' and beneficial owner's written consent to the public disclosure of information provided pursuant to this Section 2.12.

(d) Notwithstanding the foregoing provisions of this Section 2.12, a stockholder shall also comply with all applicable requirements of the Exchange Act and the rules and regulations thereunder with respect to matters set forth in this Section 2.12. Nothing in this Section 2.12 shall be deemed to affect the ability of stockholders to request inclusion of proposals in the Corporation's proxy statement pursuant to Rule 14a-8 under the Exchange Act.

(e) Only such business shall be conducted at an annual meeting of stockholders as shall have been brought before the meeting in accordance with the procedures set forth in this Section 2.12 (other than nominations for the election of directors, which are governed by Section 2.11 of these By-Laws). The Chairman of the Board of Directors or the Secretary may, if the facts warrant, determine that a notice received by the Corporation relating to an item of business proposed to be introduced at an annual meeting of stockholders does not satisfy the requirements of this Section 2.12 (including if the stockholder does not provide the information required under paragraph (c) of this Section 2.12 to the Corporation within five (5) business days after the record date for the meeting), and if it be so determined, shall so declare and any such business shall not be introduced at such meeting of stockholders, notwithstanding that proxies in respect of such matters may have been received. If the Chairman of a meeting of stockholders determines that business raised at the meeting was not properly brought before the meeting in accordance with the foregoing procedures, the Chairman shall declare to the meeting that the business was not properly brought before the meeting and such business shall not be transacted notwithstanding

that proxies in respect of such business may have been received. Notwithstanding the foregoing provisions of this Section 2.12, if the stockholder (or a qualified representative of the stockholder) is not present at the annual meeting of stockholders of the Corporation to propose such business, such proposed business shall not be transacted, notwithstanding that proxies in respect of such vote may have been received by the Corporation. For purposes of this Section 2.12, to be considered a qualified representative of the stockholder, a person must be a duly authorized officer, manager or partner of such stockholder or authorized by a writing executed by such stockholder (or a reliable reproduction or electronic transmission of the writing) delivered to the Corporation prior to the making of such proposal at such meeting by such stockholder stating that such person is authorized to act for such stockholder as proxy at the meeting of stockholders.

(f) For purposes of this Section 2.12: (i) a “public announcement” shall mean disclosure in a press release reported by the Dow Jones News Service, Associated Press or a comparable national news service or in a document publicly filed by the Corporation with the Securities and Exchange Commission (the “SEC”) pursuant to Sections 13, 14 or 15(d) of the Exchange Act; (ii) the term “associate” shall have the meaning set forth in Rule 14a-1(a) under the Exchange Act; and (iii) shares shall be treated as “beneficially owned” by a person if the person beneficially owns such shares, directly or indirectly, for purposes of Section 13(d) of the Exchange Act and Regulations 13D and 13G thereunder or has or shares pursuant to any agreement, arrangement or understanding (whether or not in writing) (1) the right to acquire such shares (whether such right is exercisable immediately or only after the passage of time or the fulfillment of a condition or both), (2) the right to vote such shares, alone or in concert with others, whether by ownership of such shares, agreement or otherwise and/or (3) investment power with respect to such shares, including the power to dispose of, or to direct the disposition of, such shares, and any such person shall be treated as the “beneficial owner” of such shares.

2.13 Proxy Access. (a) Whenever the Board of Directors solicits proxies with respect to the election of directors at an annual meeting of stockholders, subject to the provisions of this Section 2.13, the Corporation shall include in its proxy statement for such annual meeting, in addition to any persons nominated for election by or at the direction of the Board of Directors (or any duly authorized committee thereof), the name, together with the Required Information (as defined below), of any person nominated for election (the “Stockholder Nominee”) to the Board of Directors by an Eligible Stockholder (as defined in Section 2.13(d)) that expressly elects at the time of providing the notice required by this Section 2.13 to have such nominee included in the Corporation’s proxy materials pursuant to this Section 2.13. For purposes of this Section 2.13, the “Required Information” that the Corporation will include in its proxy statement is (i) the information provided to the Secretary of the Corporation concerning the Stockholder Nominee and the Eligible Stockholder that is required to be disclosed in the Corporation’s proxy statement pursuant to Section 14 of the Exchange Act and the rules and regulations promulgated thereunder and (ii) if the Eligible Stockholder so elects, a Supporting Statement (as defined in Section 2.13(h)). For the avoidance of doubt, nothing in this Section 2.13 shall limit the Corporation’s ability to solicit against any Stockholder Nominee or include in its proxy materials the Corporation’s own statements or other information relating to any Eligible Stockholder or Stockholder Nominee, including any information provided to the Corporation pursuant to this Section 2.13. Subject to the provisions of this Section 2.13, the name of any Stockholder Nominee included in the Corporation’s proxy statement for an annual meeting of stockholders shall also be set forth on the form of proxy distributed by the Corporation in connection with such annual meeting.

(b) In addition to any other applicable requirements, for a nomination to be made by an Eligible Stockholder pursuant to this Section 2.13, the Eligible Stockholder must have given timely notice of such nomination (the “Notice of Proxy Access Nomination”) in proper written form to the Secretary of the Corporation. To be timely, the Notice of Proxy Access Nomination must be delivered to or be mailed and received by the Secretary at the principal executive offices of the Corporation not less than one hundred twenty (120) days nor more than one hundred fifty (150) days prior to the first anniversary of the date that the Corporation first distributed its proxy statement to stockholders for the immediately preceding annual meeting of stockholders. In no event shall any adjournment or postponement of an annual meeting or the public announcement thereof commence a new time period (or extend any time period) for the giving of a Notice of Proxy Access Nomination pursuant to this Section 2.13.

(c) The maximum number of Stockholder Nominees nominated by all Eligible Stockholders that will be included in the Corporation’s proxy materials with respect to an annual meeting of stockholders shall not exceed the greater of **(i)** two (2) or **(ii)** twenty percent (20%) of the number of directors in office as of the last day on which a Notice of Proxy Access Nomination may be delivered pursuant to and in accordance with this Section 2.13 (the “Final Proxy Access Nomination Date”) or, if such amount is not a whole number, the closest whole number below twenty percent (20%) (such greater number, as it may be adjusted pursuant to this Section 2.13, the “Permitted Number”). In the event that one or more vacancies for any reason occurs on the Board of Directors after the Final Proxy Access Nomination Date but before the date of the annual meeting and the Board of Directors resolves to reduce the size of the Board of Directors in connection therewith, the Permitted Number shall be calculated based on the number of directors in office as so reduced. For purposes of determining when the Permitted Number has been reached, each of the following persons shall be counted as one of the Stockholder Nominees: **(i)** any individual nominated by an Eligible Stockholder for inclusion in the Corporation’s proxy materials pursuant to this Section 2.13 whose nomination is subsequently withdrawn, **(ii)** any individual nominated by an Eligible Stockholder for inclusion in the Corporation’s proxy materials pursuant to this Section 2.13 whom the Board of Directors decides to nominate for election to the Board of Directors and **(iii)** any director in office as of the Final Proxy Access Nomination Date who was included in the Corporation’s proxy materials as a Stockholder Nominee for either of the two **(2)** preceding annual meetings of stockholders (including any individual counted as a Stockholder Nominee pursuant to the immediately preceding clause (ii)) and whom the Board of Directors decides to nominate for re-election to the Board of Directors. Any Eligible Stockholder submitting more than one Stockholder Nominee for inclusion in the Corporation’s proxy materials pursuant to this Section 2.13 shall rank such Stockholder Nominees based on the order in which the Eligible Stockholder desires such Stockholder Nominees to be selected for inclusion in the Corporation’s proxy materials in the event that the total number of Stockholder Nominees submitted by Eligible Stockholders pursuant to this Section 2.13 exceeds the Permitted Number. In the event that the number of Stockholder Nominees submitted by Eligible Stockholders pursuant to this Section 2.13 exceeds the Permitted Number, the highest ranking Stockholder Nominee who meets the requirements of this Section 2.13 from each Eligible Stockholder will be selected for inclusion in the Corporation’s proxy materials until the Permitted Number is reached, going in order of the amount (largest to smallest) of shares of capital stock of the Corporation each Eligible Stockholder disclosed as owned in its Notice of Proxy Access Nomination. If the Permitted Number is not reached after the highest ranking Stockholder Nominee who meets the

requirements of this Section 2.13 from each Eligible Stockholder has been selected, then the next highest ranking Stockholder Nominee who meets the requirements of this Section 2.13 from each Eligible Stockholder will be selected for inclusion in the Corporation’s proxy materials, and this process will continue as many times as necessary, following the same order each time, until the

Permitted Number is reached. Notwithstanding anything to the contrary contained in this Section 2.13, the Corporation shall not be required to include any Stockholder Nominees in its proxy materials pursuant to this Section 2.13 for any meeting of stockholders for which the Secretary of the Corporation receives notice (whether or not subsequently withdrawn) that a stockholder intends to nominate one or more persons for election to the Board of Directors pursuant to the advance notice requirements for stockholder nominees set forth in Section 2.12.

(d) An “Eligible Stockholder” is a stockholder or group of no more than twenty (20) stockholders (counting as one stockholder, for this purpose, any two or more funds that are part of the same Qualifying Fund Group (as defined below)) that **(i)** has owned (as defined in Section 2.13(e)) continuously for at least three **(3)** years (the “Minimum Holding Period”) a number of shares of capital stock of the Corporation that represents at least three percent (3%) of the Corporation’s outstanding capital stock as of the date the Notice of Proxy Access Nomination is delivered to or mailed and received by the Secretary of the Corporation in accordance with this Section 2.13 (the “Required Shares”), **(ii)** continues to own the Required Shares through the date of the annual meeting and **(iii)** satisfies all other requirements of, and complies with all applicable procedures set forth in, this Section 2.13. A “Qualifying Fund Group” is a group of two or more funds that are **(A)** under common management and investment control, **(B)** under common management and funded primarily by the same employer or **(C)** a “group of investment companies” as such term is defined in Section 13(d)(1)(G)(ii) of the Investment Company Act of 1940, as amended. Whenever the Eligible Stockholder consists of a group of stockholders (including a group of funds that are part of the same Qualifying Fund Group), **(1)** each provision in this Section 2.13 that requires the Eligible Stockholder to provide any written statements, representations, undertakings, agreements or other instruments or to meet any other conditions shall be deemed to require each stockholder (including each individual fund) that is a member of such group to provide such statements, representations, undertakings, agreements or other instruments and to meet such other conditions (except that the members of such group may aggregate the shares that each member has owned continuously for the Minimum Holding Period in order to meet the three percent (3%) ownership requirement of the “Required Shares” definition) and **(2)** a breach of any obligation, agreement or representation under this Section 2.13 by any member of such group shall be deemed a breach by the Eligible Stockholder. No person may be a member of more than one group of stockholders constituting an Eligible Stockholder with respect to any annual meeting.

(e) For purposes of this Section 2.13, an Eligible Stockholder shall be deemed to “own” only those outstanding shares of capital stock of the Corporation as to which the stockholder possesses both **(i)** the full voting and investment rights pertaining to the shares and **(ii)** the full economic interest in (including the opportunity for profit from and risk of loss on) such shares; *provided* that the number of shares calculated in accordance with clauses **(i)** and **(ii)** shall not include any shares **(A)** sold by such stockholder or any of its affiliates in any transaction that has not been settled or closed, **(B)** borrowed by such stockholder or any of its affiliates for any purposes or purchased by such stockholder or any of its affiliates pursuant to an agreement to resell or **(C)** subject to any option, warrant, forward contract, swap, contract of sale, other derivative or similar instrument or agreement entered into by such stockholder or any of its affiliates, whether any such instrument or agreement is to be settled with shares or with cash based on the notional amount or value of shares of outstanding capital stock of the Corporation, in any such case which instrument or agreement has, or is intended to have, the purpose or effect of **(1)** reducing in any manner, to any extent or at any time in the future, such stockholder’s or its affiliates’ full right to vote or direct the voting of any such shares and/or **(2)** hedging, offsetting or altering to any degree

any gain or loss realized or realizable from maintaining the full economic ownership of such shares by such stockholder or affiliate. For purposes of this Section 2.13, a stockholder shall “own” shares held in the name of a nominee or other intermediary so long as the stockholder retains the right to instruct how the shares are voted with respect to the election of directors and possesses the full economic interest in the shares. A stockholder’s ownership of shares shall be deemed to continue during any period in which **(i)** the stockholder has loaned such shares; *provided* that the stockholder has the power to recall such loaned shares on five (5) business days’ notice and includes in its Notice of Proxy Access Nomination an agreement that it **(A)** will promptly recall such loaned shares upon being notified that any of its Stockholder Nominees will be included in the Corporation’s proxy materials and **(B)** will continue to hold such recalled shares through the date of the annual meeting or **(ii)** the stockholder has delegated any voting power by means of a proxy, power of attorney or other instrument or arrangement which is revocable at any time by the stockholder. The terms “owned,” “owning” and other variations of the word “own” shall have correlative meanings. Whether outstanding shares of the capital stock of the Corporation are “owned” for these purposes shall be determined by the Board of Directors (or any duly authorized committee thereof). For purposes of this Section 2.13, the term “affiliate” or “affiliates” shall have the meaning ascribed thereto under the General Rules and Regulations under the Exchange Act.

(f) To be in proper written form for purposes of this Section 2.13, the Notice of Proxy Access Nomination must include or be accompanied by the following:

(i) a written statement by the Eligible Stockholder certifying as to the number of shares it owns and has owned continuously during the Minimum Holding Period, and the Eligible Stockholder’s agreement to provide **(A)** within five (5) business days following the later of the record date for the determination of stockholders entitled to vote at the annual meeting or the date notice of the record date is first publicly disclosed, a written statement by the Eligible Stockholder certifying as to the number of shares it owns and has owned continuously through the record date and **(B)** immediate notice if the Eligible Stockholder ceases to own any of the Required Shares prior to the date of the annual meeting;

(ii) one or more written statements from the record holder of the Required Shares (and from each intermediary through which the Required Shares are or have been held during the Minimum Holding Period) verifying that, as of a date within seven (7) calendar days prior to the date the Notice of Proxy Access Nomination is delivered to or mailed and received by the Secretary of the Corporation, the Eligible Stockholder owns, and has owned continuously for the Minimum Holding Period, the Required Shares, and the Eligible Stockholder’s agreement to provide, within five (5) business days following the later of the record date for the determination of stockholders entitled to vote at the annual meeting or the date notice of the record date is first publicly disclosed, one or more written statements from the record holder and such intermediaries verifying the Eligible Stockholder’s continuous ownership of the Required Shares through the record date;

(iii) a copy of the Schedule 14N that has been or is concurrently being filed with the SEC as required by Rule 14a-18 under the Exchange Act;

(iv) the information and representations that would be required to be set forth in a stockholder’s notice of a nomination pursuant to Section 2.12(c), together with the written consent of each Stockholder Nominee to being named as a nominee in any proxy statement relating to the annual meeting and to serving as a director if elected;

(v) a representation that the Eligible Stockholder **(A)** will continue to hold the Required Shares through the date of the annual meeting, **(B)** acquired the Required Shares in the ordinary course of business and not with the intent to change or influence control at the Corporation, and does not presently have such intent, **(C)** has not nominated and will not nominate for election to the Board of Directors at the annual meeting any person other than the Stockholder Nominee(s) it

is nominating pursuant to this Section 2.13, **(D)** has not engaged and will not engage in, and has not and will not be a “participant” in another person’s, “solicitation” within the meaning of Rule 14a-1(1) under the Exchange Act in support of the election of any individual as a director at the annual meeting other than its Stockholder Nominee(s) or a nominee of the Board of Directors, **(E)** has not distributed and will not distribute to any stockholder of the Corporation any form of proxy for the annual meeting other than the form distributed by the Corporation, **(F)** has complied and will comply with all laws and regulations applicable to solicitations and the use, if any, of soliciting material in connection with the annual meeting, and **(G)** has provided and will provide facts, statements and other information in all communications with the Corporation and its stockholders that are or will be true and correct in all material respects and do not and will not omit to state a material fact necessary in order to make the statements made, in light of the circumstances under which they were made, not misleading;

(vi) an undertaking that the Eligible Stockholder agrees to **(A)** assume all liability stemming from any legal or regulatory violation arising out of the Eligible Stockholder’s communications with the stockholders of the Corporation or out of the information that the Eligible Stockholder provided to the Corporation, **(B)** indemnify and hold harmless the Corporation and each of its directors, officers and employees individually against any liability, loss or damages in connection with any threatened or pending action, suit or proceeding, whether legal, administrative or investigative, against the Corporation or any of its directors, officers or employees arising out of any nomination submitted by the Eligible Stockholder pursuant to this Section 2.13 or any solicitation or other activity in connection therewith and **(C)** file with the SEC any solicitation or other communication with the stockholders of the Corporation relating to the meeting at which its Stockholder Nominee(s) will be nominated, regardless of whether any such filing is required under Regulation 14A of the Exchange Act or whether any exemption from filing is available for such solicitation or other communication under Regulation 14A of the Exchange Act;

(vii) the written representation and agreement described in Section 3.2(b) from each Stockholder Nominee;

(viii) in the case of a nomination by a group of stockholders together constituting an Eligible Stockholder, the designation by all group members of one member of the group that is authorized to receive communications, notices and inquiries from the Corporation and to act on behalf of all members of the group with respect to all matters relating to the nomination under this Section 2.13 (including withdrawal of the nomination); and

(ix) in the case of a nomination by a group of stockholders together constituting an Eligible Stockholder in which two or more funds that are part of the same Qualifying Fund Group are counted as one stockholder for purposes of qualifying as an Eligible Stockholder, documentation reasonably satisfactory to the Corporation that demonstrates that the funds are part of the same Qualifying Fund Group.

(g) In addition to the information required pursuant to Section 2.13(f) or any other provision of these By-Laws, **(i)** the Corporation may require any proposed Stockholder Nominee to furnish any other information **(A)** that may reasonably be requested by the Corporation to determine whether the Stockholder Nominee would be independent under the rules and listing standards of the principal United States securities exchanges upon which the capital stock of the Corporation is listed or traded, any applicable rules of the SEC or any publicly disclosed standards used by the Board of Directors in determining and disclosing the independence of the Corporation’s directors (collectively, the “Independence Standards”), **(B)** that could be material to a reasonable stockholder’s understanding of the independence, or lack thereof, of such Stockholder Nominee or **(C)** that may reasonably be requested by the Corporation to determine the eligibility of such Stockholder Nominee to be included in the Corporation’s proxy materials

pursuant to this Section 2.13 or to serve as a director of the Corporation, and **(ii)** the Corporation may require the Eligible Stockholder to furnish any other information that may reasonably be requested by the Corporation to verify the Eligible Stockholder's continuous ownership of the Required Shares for the Minimum Holding Period.

(h) The Eligible Stockholder may, at its option, provide to the Secretary of the Corporation, at the time the Notice of Proxy Access Nomination is provided, a written statement, not to exceed five hundred (500) words, in support of the Stockholder Nominee(s)' candidacy (a "Supporting Statement"). Only one Supporting Statement may be submitted by an Eligible Stockholder (including any group of stockholders together constituting an Eligible Stockholder) in support of its Stockholder Nominee(s). Notwithstanding anything to the contrary contained in this Section 2.13, the Corporation may omit from its proxy materials any information or Supporting Statement (or portion thereof) that it, in good faith, believes would violate any applicable law or regulation.

(i) In the event that any information or communications provided by an Eligible Stockholder or a Stockholder Nominee to the Corporation or its stockholders ceases to be true and correct in all material respects or omits to state a material fact necessary to make the statements made, in light of the circumstances under which they were made, not misleading, such Eligible Stockholder or Stockholder Nominee, as the case may be, shall promptly notify the Secretary of the Corporation of any such defect in such previously provided information and of the information that is required to correct any such defect; it being understood that providing such notification shall not be deemed to cure any such defect or limit the remedies available to the Corporation relating to any such defect (including the right to omit a Stockholder Nominee from its proxy materials pursuant to this Section 2.13). In addition, any person providing any information to the Corporation pursuant to this Section 2.13 shall further update and supplement such information, if necessary, so that all such information shall be true and correct as of the record date for the determination of stockholders entitled to vote at the annual meeting, and such update and supplement shall be delivered to or be mailed and received by the Secretary at the principal executive offices of the Corporation not later than five (5) business days following the later of the record date for the determination of stockholders entitled to vote at the annual meeting or the date notice of the record date is first publicly disclosed.

(j) Notwithstanding anything to the contrary contained in this Section 2.13, the Corporation shall not be required to include in its proxy materials, pursuant to this Section 2.13, any Stockholder Nominee **(i)** who would not be an independent director under the Independence Standards, **(ii)** whose election as a member of the Board of Directors would cause the Corporation to be in violation of these By-Laws, the Certificate of Incorporation, the rules and listing standards of the principal United States securities exchanges upon which the capital stock of the Corporation is listed or traded, or any applicable law, rule or regulation, **(iii)** who is or has been, within the past three **(3)** years, an officer or director of a competitor, as defined in Section 8 of the Clayton Antitrust Act of 1914, **(iv)** who is a named subject of a pending criminal proceeding (excluding traffic violations and other minor offenses) or has been convicted in such a criminal proceeding within the past ten (10) years, **(v)** who is subject to any order of the type specified in Rule 506(d) of Regulation D promulgated under the Securities Act of 1933, as amended or **(vi)** who shall have provided any information to the Corporation or its stockholders that was untrue in any material respect or that omitted to state a material fact necessary to make the statements made, in light of the circumstances in which they were made, not misleading.

(k) Notwithstanding anything to the contrary set forth herein, if **(i)** a Stockholder Nominee and/or the applicable Eligible Stockholder breaches any of its agreements or representations or fails to comply with any of its obligations under this Section 2.13 or **(ii)** a Stockholder Nominee otherwise becomes ineligible for inclusion in the Corporation's proxy materials pursuant to this Section 2.13 or dies, becomes disabled or otherwise becomes ineligible

or unavailable for election at the annual meeting, in each case as determined by the Board of Directors (or any duly authorized committee thereof) or the chairman of the annual meeting, **(A)** the Corporation may omit or, to the extent feasible, remove the information concerning such Stockholder Nominee and the related Supporting Statement from its proxy materials and/or otherwise communicate to its stockholders that such Stockholder Nominee will not be eligible for election at the annual meeting, **(B)** the Corporation shall not be required to include in its proxy materials any successor or replacement nominee proposed by the applicable Eligible Stockholder or any other Eligible Stockholder and **(C)** the Board of Directors (or any duly authorized committee thereof) or the chairman of the annual meeting shall declare such nomination to be invalid and such nomination shall be disregarded notwithstanding that proxies in respect of such vote may have been received by the Corporation. In addition, if the Eligible Stockholder (or a representative thereof) does not appear at the annual meeting to present any nomination pursuant to this Section 2.13, such nomination shall be declared invalid and disregarded as provided in clause **(C)** above.

(l) Any Stockholder Nominee who is included in the Corporation's proxy materials for a particular annual meeting of stockholders but either **(i)** withdraws from or becomes ineligible or unavailable for election at the annual meeting, or **(ii)** does not receive at least twenty-five percent (25%) of the votes cast in favor of such Stockholder Nominee's election, will be ineligible to be a Stockholder Nominee pursuant to this Section 2.13 for the next two **(2)** annual meetings of stockholders. For the avoidance of doubt, the immediately preceding sentence shall not prevent any stockholder from nominating any person to the Board of Directors pursuant to and in accordance with Section 2.11.

Other than Rule 14a-19 under the Exchange Act, this Section 2.13 provides the exclusive method for a stockholder to include nominees for election to the Board of Directors in the Corporation's proxy statement.

2.14 Action without Meeting. Stockholders may not take any action by written consent in lieu of a meeting.

2.15 Organization. The Chairman of the Board, or in his or her absence the President shall call meetings of the stockholders to order, and act as chairman of such meeting; provided, however, that the Board of Directors may appoint any person to act as chairman of any meeting in the absence of the Chairman of the Board. The Secretary of the Corporation shall act as secretary at all meetings of the stockholders; provided, however, that in the absence of the Secretary at any meeting of the stockholders, the acting chairman may appoint any person to act as secretary of the meeting.

ARTICLE 3 - DIRECTORS

3.1 General Powers. The business and affairs of the Corporation shall be managed by or under the direction of a Board of Directors, who may exercise all of the powers of the Corporation except as otherwise provided by law, the Certificate of Incorporation or these By-Laws. In the event of a vacancy in the Board of Directors, the remaining directors, except as otherwise provided by law, may exercise the powers of the full Board of Directors until the vacancy is filled.

3.2 Number and Qualification of Directors. **(a)** The number of directors which shall constitute the whole Board of Directors shall be determined by resolution of the Board of Directors, but in no event shall be less than three. The directors need not be stockholders of the Corporation.

(b) To be eligible to be a nominee for election as a director, a person must deliver to the Secretary a written representation and agreement that such person (i) is not and will not become a party to (1) any agreement, arrangement or understanding with, and has not given any commitment or assurance to, any person or entity as to how such person, if elected as a director of the Corporation, will act or vote on any issue or question (a “Voting Commitment”) that has not been disclosed to the Corporation in such representation and agreement or (2) any Voting Commitment that could limit or interfere with such person’s ability to comply, if elected as a director of the Corporation, with such person’s fiduciary duties under applicable law; (ii) is not and will not become a party to any agreement, arrangement or understanding with any person or entity other than the Corporation with respect to any direct or indirect compensation, reimbursement or indemnification in connection with service or action as a director that has not been disclosed to the Corporation in such representation and agreement; (iii) would be in compliance, if elected as a director of the Corporation, and will comply with the Corporation’s code of conduct and ethics, corporate governance guidelines, stock ownership and trading policies and guidelines and any other policies or guidelines of the Corporation applicable to directors; and (iv) will make such other acknowledgments, enter into such agreements and provide such information as the Board of Directors requires of all directors, including promptly submitting all completed and signed questionnaires required of the Corporation’s directors.

3.3 Election of Directors. The directors shall be elected at the annual meeting of stockholders. At a meeting for the election of directors, each director shall be elected by a majority of the votes cast with respect to that director; *provided* that, if the number of nominees exceeds the number of directorships to be filled (a “contested election”), the directors shall be elected by a plurality of the votes cast. A majority of the votes cast means that the number of shares voted “for” must exceed the number of shares voted “against” with respect to each director’s election. The following shall not be counted as votes cast: **(a)** a share whose ballot is marked as withheld; **(b)** a share otherwise present at the meeting but for which there is an abstention; or **(c)** a share otherwise present at the meeting as to which a shareholder gives no authority or direction. If a nominee for director who is not an incumbent director does not receive a majority of the votes cast, the nominee shall not be elected. If an incumbent director who is standing for re-election does not receive a majority of the votes cast, then the Governance & Nominating Committee or another committee of the board authorized to nominate candidates for election to the board will make a recommendation to the Board of Directors as to whether to accept the director’s resignation, and as to whether other action should be taken. The director will not participate in the committee’s recommendation or the board’s decision. The independent members of the board will consider the committee’s recommendation and publicly disclose the board’s decision and the basis for the decision within 90 days following the date of the certification of the final election results. If less than two members of the committee are elected at a meeting for the election of directors, the independent members of the Board who were elected shall consider and act upon the tendered resignation. If for any reason none of the nominees is elected at a meeting for the election of directors, the incumbent directors shall call a special meeting of the stockholders as soon thereafter as convenient for the purpose of electing a board of directors.

3.4 Term of Office. Except as otherwise provided in the Certificate of Incorporation or these By-Laws, at each annual meeting of stockholders, all directors shall be elected for a term expiring at the next succeeding annual meeting of stockholders. Each director shall hold office until the election and qualification of his or her successor or until his or her earlier death, resignation or removal.

3.5 Removal. Any director or the entire board of directors may be removed, with or without cause, by the holders of a majority of the then outstanding shares of capital stock of the Corporation entitled to vote generally in the election of directors, except to the extent that a different vote is required by law.

3.6 Vacancies. Any vacancy in the Board of Directors, however occurring, including a vacancy resulting from an enlargement of the Board or from the failure of the stockholders to elect the number of directors then constituting the whole of the Board of Directors at any meeting at which directors are to be elected, shall be filled only by vote of a majority of the directors then in office, although less than a quorum, or by a sole remaining director. The Board of Directors shall not fill a vacancy on the Board of Directors with any candidate who has not agreed to tender in advance of his or her appointment to the Board an irrevocable resignation to be effective if, pursuant to Section 3.3 above, (a) the director does not receive the required majority vote at the next meeting for the election of directors and (b) the Board of Directors accepts such resignation. A director elected to fill a vacancy shall be elected for the unexpired term of his or her predecessor in office, and a director chosen to fill a position resulting from an increase in the number of directors or the failure to elect the full number of directors shall hold office until the next election of directors, subject to the election and qualification of his or her successor and to his or her earlier death, resignation or removal.

3.7 Resignation. (a) Any director may resign at any time upon notice given in writing or by electronic transmission to the Corporation at its principal office or to the President or Secretary. Such resignation shall be effective upon receipt unless it is specified to be effective at some other time or upon the happening of some other event.

(b) Each director who consents to stand for re-election shall, as a condition to his or her nomination, tender an irrevocable resignation in advance of the meeting for the election of directors. Such resignation will be effective if, pursuant to Section 3.3 above, (a) the director does not receive the required majority vote at the next meeting for the election of directors and (b) the Board of Directors accepts such resignation.

3.8 Regular Meetings. The regular meetings of the Board of Directors may be held without notice at such time and place, either within or without the State of Delaware, as shall be determined from time to time by the Board of Directors; provided, that any director who is absent when such a determination is made shall be given notice of the determination. A regular meeting of the Board of Directors may be held without notice immediately after and at the same place as the annual meeting of stockholders.

3.9 Special Meetings. Special meetings of the Board of Directors may be held at any time and place, within or without the State of Delaware, designated in a call by the Chairman of the Board of Directors, the Chief Executive Officer (or if there is no Chief Executive Officer, the President), two or more directors or by one director in the event that there is only a single director in office.

3.10 Notice of Special Meetings. Notice of any special meeting of the Board of Directors shall be given to each director by the Secretary or by the officer or one of the directors calling the meeting. The notice shall be duly given to each director (i) by giving notice to such director in person or by telephone at least twenty four (24) hours in advance of the meeting, (ii) by sending a teletype or email to the teletypewriter number or email address designated by each director to the Secretary for the receipt of such notices, or by delivering written notice by hand, to his or her last known business or home address at least twenty four (24) hours in advance of the meeting, or (iii) by mailing written notice to his or her last known business or home address at least seventy two (72) hours in advance of the meeting. A notice or waiver of notice of a special meeting of the Board of Directors need not specify the purposes of the meeting.

3.11 Meetings by Telephone Conference Calls. The Board of Directors or any members of any committee of the Board of Directors designated by the directors may participate in a meeting of the Board of Directors or such committee by means of conference telephone or

other communications equipment by means of which all persons participating in the meeting can hear each other. Participation by such means shall constitute presence in person at such meeting.

3.12 Quorum. A majority of the total number of the whole Board of Directors shall constitute a quorum at all meetings of the Board of Directors. In the event one or more of the directors shall be disqualified to vote at any meeting, then the required quorum shall be reduced by one for each such director so disqualified; provided, however, that in no case shall less than one-third ($\frac{1}{3}$) of the number of directors so fixed constitute a quorum. In the absence of a quorum at any such meeting, a majority of the directors present may adjourn the meeting from time to time without further notice, other than announcement at the meeting, until a quorum shall be present.

3.13 Action at Meeting. At any meeting of the Board of Directors at which a quorum is present, the vote of a majority of those present shall be sufficient to take any action, unless a different vote is specified by law, the Certificate of Incorporation or these By-Laws.

3.14 Action by Consent. Any action required or permitted to be taken at any meeting of the Board of Directors or of any committee of the Board of Directors may be taken without a meeting, if all members of the Board or committee, as the case may be, consent to the action in writing, and the written consents are filed with the minutes of proceedings of the Board of Directors or committee of the Board of Directors, as applicable.

3.15 Committees. The Board of Directors may, by resolution passed by a majority of the whole Board, designate one or more committees, each committee to consist of one or more of the directors of the Corporation. The Board of Directors may designate one or more directors as alternate members of any committee, who may replace any absent or disqualified member at any meeting of the committee. In the absence or disqualification of a member of a committee, the member or members of the committee present at any meeting and not disqualified from voting, whether or not he, she or they constitute a quorum, may unanimously appoint another member of the Board of Directors to act at the meeting in the place of any such absent or disqualified member. Any such committee, to the extent provided in the resolution of the Board of Directors and subject to the provisions of the Delaware General Corporation Law, shall have and may exercise all the powers and authority of the Board of Directors in the management of the business and affairs of the Corporation and may authorize the seal of the Corporation to be affixed to all papers which may require it. Each such committee shall keep minutes and make such reports as the Board of Directors may from time to time request Except as the Board of Directors may otherwise determine, any committee may make rules for the conduct of its business, but unless otherwise provided by the directors or in such rules, its business shall be conducted as nearly as possible in the same manner as is provided in these By-Laws for the Board of Directors.

3.16 Compensation of Directors. The directors may be paid such compensation for their services and such reimbursement for expenses of attendance at meetings as the Board of Directors may from time to time determine No such payment shall preclude any director from serving the Corporation or any of its parent or subsidiary corporations in any other capacity and receiving compensation for such service.

ARTICLE 4 - OFFICERS

4.1 Enumeration. The officers of the Corporation shall consist of a Chief Executive Officer, a President, a Chief Financial Officer, a Secretary and a Treasurer. The Board of Directors may appoint other officers with such titles and powers as it may deem appropriate, including, without limitation, one or more Vice Presidents and one or more Controllers.

4.2 Election. The Chief Executive Officer, President, Chief Financial Officer, Secretary and Treasurer shall be elected annually by the Board of Directors at its first meeting following the annual meeting of stockholders. Other officers may be appointed by the Board of Directors at such meeting or at any other meeting.

4.3 Qualification. No officer need be a stockholder of the Corporation. Any two or more offices may be held by the same person.

4.4 Tenure. Except as otherwise provided by law, by the Certificate of Incorporation or by these By-Laws, each officer shall hold office until his or her successor is elected and qualified, unless a different term is specified in the vote choosing or appointing him or her, or until his or her earlier death, resignation or removal.

4.5 Resignation and Removal. Any officer may resign by delivering his or her written resignation to the Corporation at its principal office or to the Chief Executive Officer or Secretary. Such resignation shall be effective upon receipt unless it is specified to be effective at some other time or upon the happening of some other event. Any officer may be removed at any time, with or without cause, by vote of a majority of the entire number of directors then in office.

Except as the Board of Directors may otherwise determine, no officer who resigns or is removed shall have any right to any compensation as an officer for any period following his or her resignation or removal, or any right to damages on account of such removal, whether his or her compensation be by the month or by the year or otherwise, unless such compensation is expressly provided in a duly authorized written agreement with the Corporation.

4.6 Vacancies. The Board of Directors may fill any vacancy occurring in any office for any reason and may, in its discretion, leave unfilled for such period as it may determine any offices other than those of Chief Executive Officer, President, Secretary and Treasurer. Each such successor shall hold office for the unexpired term of his or her predecessor and until his or her successor is elected and qualified, or until his or her earlier death, resignation or removal.

4.7 Chairman of the Board. The Board of Directors may appoint a Chairman of the Board. If the Board of Directors appoints a Chairman of the Board, he or she shall perform such duties and possess such powers as are assigned to him or her by the Board of Directors.

4.8 Chief Executive Officer. The Chief Executive Officer shall, subject to the direction of the Board of Directors, have general charge and supervision of the business of the Corporation. Unless otherwise provided by the Board of Directors, he or she shall preside at all meetings of the stockholders and, if he or she is a director, at all meetings of the Board of Directors. The Chief Executive Officer shall perform such other duties and possess such other powers as the Board of Directors may from time to time prescribe.

4.9 President. The President shall perform such duties and possess such powers as the Board of Directors or the Chief Executive Officer may from time to time prescribe. In the event of the absence, inability or refusal to act of the Chief Executive Officer, the President shall perform the duties of the Chief Executive Officer and when so performing shall have all the powers of and be subject to all the restrictions upon the office of Chief Executive Officer.

4.10 Chief Financial Officer. The Chief Financial Officer shall perform such duties and possess such powers as the Board of Directors or the Chief Executive Officer may from time to time prescribe. The Chief Financial Officer shall have the custody of the corporate funds and securities; shall keep full and accurate all books and accounts of the Corporation as shall be necessary or desirable in accordance with applicable law or generally accepted accounting principles; shall deposit all monies and other valuable effects in the name and to the

credit of the Corporation as may be ordered by the Chairman of the Board or the Board of Directors; shall cause the funds of the Corporation to be disbursed when such disbursements have been duly authorized, taking proper vouchers for such disbursements; and shall render to the Board of Directors, at its regular meeting or when the Board of Directors so requires, an account of the Corporation.

4.11 Vice Presidents. Any Vice President shall perform such duties and possess such powers as the Board of Directors, the Chief Executive Officer or the President may from time to time prescribe. The Board of Directors may assign to any Vice President the title of Executive Vice President, Senior Vice President or any other such title.

4.12 Controllers. Any Controller shall perform such duties and possess such powers as the Board of Directors, the Chief Executive Officer or any Vice President may from time to time prescribe.

4.13 Secretary. The Secretary shall perform such duties and possess such powers as the Board of Directors or the Chief Executive Officer may from time to time prescribe. In addition, the Secretary shall perform such duties and have such powers as are incident to the office of the Secretary, including without limitation the duty and power to give notices of all meetings of stockholders and special meetings of the Board of Directors, to attend all meetings of stockholders and the Board of Directors and keep a record of the proceedings, to maintain a stock ledger and prepare lists of stockholders and their addresses as required, to be custodian of corporate records and the corporate seal and to affix and attest to the same on documents.

In the event of the absence, inability or refusal to act of the Secretary at any meeting of stockholders or directors, the person presiding at the meeting shall designate a temporary secretary to keep a record of the meeting.

4.14 Treasurer. The Treasurer shall perform such duties and possess such powers as the Board of Directors, the Chief Executive Officer or the Chief Financial Officer may from time to time prescribe. In addition, the Treasurer shall perform such duties and have such powers as are incident to the office of Treasurer, including without limitation the duty and power to keep and be responsible for all funds and securities of the Corporation, to deposit funds of the Corporation in depositories selected in accordance with these By-Laws, to disburse such funds as ordered by the Board of Directors, to make proper accounts of such funds, and to render as required by the Board of Directors statements of all such transactions and of the financial condition of the Corporation. Unless the Board of Directors has designated another officer as Chief Financial Officer, the Treasurer shall be the Chief Financial Officer of the Corporation. In the event of the absence, inability or refusal to act of the Treasurer, the Board of Directors shall appoint a temporary treasurer, who shall perform the duties and exercise the powers of the Treasurer.

4.15 Other Officers, Assistant Officers and Agents. Officers, assistant officers and agents, if any, other than those whose duties are provided for in these By-Laws, shall have such authority and perform such duties as may from time to time be prescribed by resolution of the Board of Directors.

4.16 Salaries. Officers of the Corporation shall be entitled to such salaries, compensation or reimbursement as shall be fixed or allowed from time to time by the Board of Directors.

ARTICLE 5 - CAPITAL STOCK

5.1 Certificates of Stock. Every holder of stock of the Corporation shall be entitled to have a certificate, in such form as may be prescribed by law and by the Board of Directors, certifying the number and class of shares owned by him or her in the Corporation. Each such certificate shall be signed by, or in the name of the Corporation by the Chairman of the Board of Directors, the Chief Executive Officer or the President, and the Treasurer or the Secretary of the Corporation. Any or all of the signatures on the certificate may be a facsimile. Each certificate for shares of stock which are subject to any restriction on transfer pursuant to the Certificate of Incorporation, the By-Laws, applicable securities laws or any agreement among any number of stockholders or among such holders and the Corporation shall have conspicuously noted on the face or back of the certificate either the full text of the restriction or a statement of the existence of such restriction.

5.2 Transfers. Except as otherwise established by rules and regulations adopted by the Board of Directors, and subject to applicable law, shares of stock may be transferred on the books of the Corporation by the surrender to the Corporation or its transfer agent of the certificate representing such shares properly endorsed or accompanied by a written assignment or power of attorney properly executed, and with such proof of authority or the authenticity of signature as the Corporation or its transfer agent may reasonably require. Except as may be otherwise required by law, by the Certificate of Incorporation or by these By-Laws, the Corporation shall be entitled to treat the record holder of stock as shown on its books as the owner of such stock for all purposes, including the payment of dividends and the right to vote with respect to such stock, regardless of any transfer, pledge or other disposition of such stock, until the shares have been transferred on the books of the Corporation in accordance with the requirements of these By-Laws.

5.3 Lost, Stolen or Destroyed Certificates. The Corporation may issue a new certificate of stock in place of any previously issued certificate alleged to have been lost, stolen, or destroyed, upon such terms and conditions as the Board of Directors may prescribe, including the presentation of reasonable evidence of such loss, theft or destruction and the giving of such indemnity as the Board of Directors may require for the protection of the Corporation or any transfer agent or registrar.

5.4 Record Date. In order that the Corporation may determine the stockholders entitled to notice of or to vote at any meeting of stockholders, or to receive payment of any dividend or other distribution or allotment of any rights or to exercise any rights in respect of any change, conversion or exchange of stock or for the purpose of any other lawful action, the Board of Directors may, except as otherwise required by law, fix a record date, which record date shall not precede the date on which the resolution fixing the record date is adopted and which record date shall not be more than sixty (60) nor less than ten (10) days before the date of any meeting of stockholders, nor more than sixty (60) days prior to the time for such other action as hereinbefore described; *provided, however*, that if no record date is fixed by the Board of Directors, the record date for determining stockholders entitled to notice of or to vote at a meeting of stockholders shall be at the close of business on the day next preceding the day on which notice is given or, if notice is waived, at the close of business on the day next preceding the day on which the meeting is held, and, for determining stockholders entitled to receive payment of any dividend or other distribution or allotment of rights or to exercise any rights of change, conversion or exchange of stock or for any other purpose, the record date shall be at the close of business on the day on which the Board of Directors adopts a resolution relating thereto.

A determination of stockholders of record entitled to notice of or to vote at a meeting of stockholders shall apply to any adjournment of the meeting; provided, however, that the Board of Directors may fix a new record date for the adjourned meeting.

5.5 Dividends. Subject to limitations contained in the Delaware General Corporation Law, the Certificate of Incorporation and these By-Laws, the Board of Directors may declare and pay dividends upon the shares of capital stock of the Corporation, which dividends may be paid either in cash, in property or in shares of the capital stock of the Corporation.

ARTICLE 6 -GENERAL PROVISIONS

6.1 Fiscal Year. Except as from time to time otherwise designated by the Board of Directors, the fiscal year of the Corporation shall begin on the first day of January in each year and end on the last day of December in each year.

6.2 Corporate Seal. The corporate seal, if any, shall be in such form as shall be approved by the Board of Directors.

6.3 Form of Notice. Whenever any notice whatsoever is required to be given in writing to any stockholder by law, by the Certificate of Incorporation or by these By-Laws, such notice may be given by a form of electronic transmission pursuant to Section 232 of the Delaware General Corporation Law if the stockholder to whom such notice is given has previously consented to the receipt of notice by electronic transmission.

6.4 Waiver of Notice. A written waiver of any notice, signed by a stockholder or director, or waiver by electronic transmission by such person, whether given before or after the time of the event for which notice is to be given, shall be deemed equivalent to the notice required to be given to such person. Neither the business nor the purpose of any meeting need be specified in such a waiver. Attendance at any meeting shall constitute waiver of notice except attendance for the sole purpose of objecting to the timeliness of notice.

6.5 Voting of Securities. Except as the directors may otherwise designate, the Chief Executive Officer or Treasurer may waive notice of, and act as, or appoint any person or persons to act as, proxy or attorney-in-fact for this Corporation (with or without power of substitution) at, any meeting of stockholders or shareholders of any other corporation or organization, the securities of which may be held by this Corporation.

6.6 Evidence of Authority. A certificate by the Secretary, or a temporary secretary, as to any action taken by the stockholders, directors, a committee or any officer or representative of the Corporation shall, as to all persons who rely on the certificate in good faith, be conclusive evidence of such action.

6.7 Certificate of Incorporation. All references in these By-Laws to the Certificate of Incorporation shall be deemed to refer to the Certificate of Incorporation of the Corporation, as amended or restated and in effect from time to time.

6.8 Transactions with Interested Parties. No contract or transaction between the Corporation and one or more of the directors or officers, or between the Corporation and any other corporation, partnership, association, or other organization in which one or more of the directors or officers are directors or officers, or have a financial interest, shall be void or voidable solely for this reason, or solely because the director or officer is present at or participates in the meeting of the Board of Directors or a committee of the Board of Directors which authorizes the contract or transaction or solely because his, her or their votes are counted for such purpose, if:

(1) The material facts as to his, her or their relationship or interest and as to the contract or transaction are disclosed or are known to the Board of Directors or the committee, and the Board of Directors or committee of the Board of Directors in good faith authorizes the

contract or transaction by the affirmative votes of a majority of the disinterested directors, even though the disinterested directors be less than a quorum;

(2) The material facts as to his, her or their relationship or interest and as to the contract or transaction are disclosed or are known to the stockholders entitled to vote thereon, and the contract or transaction is specifically approved in good faith by vote of the stockholders; or

(3) The contract or transaction is fair as to the Corporation as of the time it is authorized, approved or ratified by the Board of Directors, a committee of the Board of Directors, or the stockholders.

Common or interested directors may be counted in determining the presence of a quorum at a meeting of the Board of Directors or of a committee which authorizes the contract or transaction.

6.9 Severability. Any determination that any provision of these By-Laws is for any reason inapplicable, illegal or ineffective shall not affect or invalidate any other provision of these By-Laws.

6.10 Pronouns. All pronouns used in these By-Laws shall be deemed to refer to the masculine, feminine or neuter, singular or plural, as the identity of the person or persons may require.

6.11 Contracts. In addition to the powers otherwise granted to officers pursuant to Article 4 hereof, the Board of Directors may authorize any officer or officers, or any agent or agents, of the Corporation to enter into any contract or to execute and deliver any instrument in the name of and on behalf of the Corporation, and such authority may be general or confined to specific instances.

6.12 Loans. The Corporation may lend money to, or guarantee any obligation of, or otherwise assist any officer or other employee of the Corporation or of its subsidiaries, including any officer or employee who is a Director of the Corporation or its subsidiaries, whenever, in the judgment of the Directors, such loan, guaranty or assistance may reasonably be expected to benefit the Corporation. The loan, guaranty or other assistance may be with or without interest, and may be unsecured, or secured in such manner as the Board of Directors shall approve, including, without limitation, a pledge of shares of stock of the Corporation. Nothing in this section shall be deemed to deny, limit or restrict the powers of guaranty or warranty of the Corporation at common law or under any statute.

6.13 Inspection of Books and Records. The Board of Directors shall have power from time to time to determine to what extent and at what times and places and under what conditions and regulations the accounts and books of the Corporation, or any of them, shall be open to the inspection of the stockholders; and no stockholder shall have any right to inspect any account or book or document of the Corporation, except as conferred by the laws of the State of Delaware, unless and until authorized so to do by resolution of the Board of Directors or of the stockholders of the Corporation.

6.14 Section Headings. Section headings in these By-Laws are for convenience of reference only and shall not be given any substantive effect in limiting or otherwise construing any provision herein.

6.15 Inconsistent Provisions. In the event that any provision of these By-Laws is or becomes inconsistent with any provision of the Certificate of Incorporation, the Delaware General Corporation Law or any other applicable law, the provision of these By-Laws shall not

be given any effect to the extent of such inconsistency but shall otherwise be given full force and effect.

ARTICLE 7 -INDEMNIFICATION

7.1 Right to Indemnification. Each person who was or is made a party or is threatened to be made a party to or is otherwise involved in any action, suit or proceeding, whether civil, criminal, administrative or investigative (hereinafter a “proceeding”), by reason of the fact that he or she is or was a director or an officer of the Corporation or is or was serving at the request of the Corporation as a director, officer or trustee of another corporation or of a partnership, joint venture, trust or other enterprise, including service with respect to an employee benefit plan (hereinafter an “indemnitee”), whether the basis of such proceeding is alleged action in an official capacity as a director, officer or trustee or in any other capacity while serving as a director, officer or trustee, shall be indemnified and held harmless by the Corporation to the fullest extent authorized by the Delaware General Corporation Law, as the same exists or may hereafter be amended (but, in the case of any such amendment, only to the extent that such amendment permits the Corporation to provide broader indemnification rights than such law permitted the Corporation to provide prior to such amendment), against all expense, liability and loss (including attorneys’ fees, judgments, fines, ERISA excise taxes or penalties and amounts paid in settlement) reasonably incurred or suffered by such indemnitee in connection therewith; provided, however, that, except as provided in Section 7.3 of this Article 7 with respect to proceedings to enforce rights to indemnification, the Corporation shall indemnify any such indemnitee in connection with a proceeding (or part thereof) initiated by such indemnitee only if such proceeding (or part thereof) was authorized by the Board of Directors of the Corporation.

7.2 Right to Advancement of Expenses. In addition to the right to indemnification conferred in Section 7.1 of this Article 7, an indemnitee shall also have the right to be paid by the Corporation the expenses (including attorney’s fees) incurred in defending any such proceeding in advance of its final disposition (hereinafter an “advancement of expenses”); provided, however, that, if the Delaware General Corporation Law requires, an advancement of expenses incurred by an indemnitee in his or her capacity as a director or officer (and not in any other capacity in which service was or is rendered by such indemnitee, including, without limitation, service to an employee benefit plan) shall be made only upon delivery to the Corporation of an undertaking (hereinafter an “undertaking”), by or on behalf of such indemnitee, to repay all amounts so advanced if it shall ultimately be determined by final judicial decision from which there is no further right to appeal (hereinafter a “final adjudication”) that such indemnitee is not entitled to be indemnified for such expenses under Section 7.1 or otherwise.

7.3 Right of Indemnitee to Bring Suit. If a claim under Section 7.1 or 7.2 of this Article 7 is not paid in full by the Corporation within sixty (60) days after a written claim has been received by the Corporation, except in the case of a claim for an advancement of expenses, in which case the applicable period shall be twenty (20) days, the indemnitee may at any time thereafter bring suit against the Corporation to recover the unpaid amount of the claim. If successful in whole or in part in any such suit, or in a suit brought by the Corporation to recover an advancement of expenses pursuant to the terms of an undertaking, the indemnitee shall be entitled to be paid also the expense of prosecuting or defending such suit. In **(i)** any suit brought by the indemnitee to enforce a right to indemnification hereunder (but not in a suit brought by the indemnitee to enforce a right to an advancement of expenses) it shall be a defense that, and **(ii)** in any suit brought by the Corporation to recover an advancement of expenses pursuant to the terms of an undertaking, the Corporation shall be entitled to recover such expenses upon a final adjudication that, the indemnitee has not met any applicable standard for indemnification set forth in the Delaware General Corporation Law. Neither the

failure of the Corporation (including its directors who are not parties to such action, a committee of such directors, independent legal counsel, or its stockholders) to have made a determination prior to the commencement of such suit that indemnification of the indemnitee is proper in the circumstances because the indemnitee has met the applicable standard of conduct set forth in the Delaware General Corporation Law, nor an actual determination by the Corporation (including its directors who are not parties to such action, a committee of such directors, independent legal counsel, or its stockholders) that the indemnitee has not met such applicable standard of conduct, shall create a presumption that the indemnitee has not met the applicable standard of conduct or, in the case of such a suit brought by the indemnitee, be a defense to such suit. In any suit brought by the indemnitee to enforce a right to indemnification or to an advancement of expenses hereunder, or brought by the Corporation to recover an advancement of expenses pursuant to the terms of an undertaking, the burden of proving that the indemnitee is not entitled to be indemnified, or to such advancement of expenses, under this Article 7 or otherwise shall be on the Corporation.

7.4 Non-Exclusivity of Rights. The rights to indemnification and to the advancement of expenses conferred in this Article 7 shall not be exclusive of any other right which any person may have or hereafter acquire under any statute, the Corporation's Certificate of Incorporation, By-Laws, agreement, vote of stockholders or directors or otherwise.

7.5 Insurance. The Corporation may maintain insurance, at its expense, to protect itself and any director, officer, employee or agent of the Corporation or another corporation, partnership, joint venture, trust or other enterprise against any expense, liability or loss, whether or not the Corporation would have the power to indemnify such person against such expense, liability or loss under the Delaware General Corporation Law.

7.6 Indemnification of Employees and Agents of the Corporation. The Corporation may, to the extent authorized from time to time by the Board of Directors, grant rights to indemnification and to the advancement of expenses to any employee or agent of the Corporation to the fullest extent of the provisions of this Article with respect to the indemnification and advancement of expenses of directors and officers of the Corporation.

7.7 Nature of Rights. The rights conferred upon indemnitees in this Article 7 shall be contract rights and such rights shall continue as to an indemnitee who has ceased to be a director, officer or trustee and shall inure to the benefit of the indemnitee's heirs, executors and administrators. Any amendment, alteration or repeal of this Article 7 that adversely affects any right of an indemnitee or its successors shall be prospective only and shall not limit or eliminate any such right with respect to any proceeding involving any occurrence or alleged occurrence of any action or omission to act that took place prior to such amendment or repeal.

ARTICLE 8 -AMENDMENTS

8.1 By the Board of Directors. These By-Laws may be altered, amended or repealed or new By-Laws may be adopted by the affirmative vote of a majority of the directors present at any regular or special meeting of the Board of Directors at which a quorum is present.

8.2 By the Stockholders. Notwithstanding any other provision of law, the Certificate of Incorporation or these By-Laws, and notwithstanding the fact that a lesser percentage may be specified by law, the affirmative vote of the holders of at least seventy-five percent (75%) of the shares of the capital stock of the Corporation issued and outstanding and entitled to vote shall be required to alter, amend or repeal any provision of these By-Laws or to adopt new By-Laws.