

VEECO INSTRUMENTS INC.

CORPORATE GOVERNANCE GUIDELINES

Effective February 5, 2020

These Guidelines have been adopted by the Board of Directors (the “Board”) of Veeco Instruments Inc. (“Veeco” or the “Company”) to assist the Board in the exercise of its responsibilities. These Guidelines are a statement of policy and are not intended to change or interpret any federal or state law or regulation, including, but not limited to, Delaware General Corporation Law, or the Company's certificate of incorporation or bylaws. These Guidelines shall be subject to the periodic review of the Governance Committee (the “Governance Committee”) of the Board and to modification by the Board from time to time.

Role of the Board

The Board is elected by stockholders to oversee management performance and business strategies, to ensure that the long-term interests of the stockholders are being served, and to monitor adherence to the Company's standards and policies. The Board and management recognize that stockholders' long-term interests are advanced by responsibly addressing the concerns of all stakeholders essential to the Company's success, including institutional and other investors, customers, employees, communities, suppliers, creditors and governments.

The Board fulfills its role by, among other things:

- Selecting, evaluating and compensating the Company's Chief Executive Officer (“CEO”);
- Overseeing succession planning to assure that the Company has sufficient strength in management to achieve its short- and long-term goals.
- Reviewing, approving and monitoring implementation of the Companies' long-term strategy, financial and business planning, and major corporate actions;
- Overseeing management's assessment and mitigation of major risks and challenges facing the Company;
- Nominating directors, planning for Board succession, reviewing the structure and operation of the Board and overseeing effective corporate governance; and
- Ensuring effective processes are in place to ensure the integrity of the Company's actions, including its financial statements and financial reporting, its relationships with customers, suppliers and other stakeholders, and its compliance with law, its Code of Business Conduct and its environmental and social responsibility programs.

Composition of the Board

The Board is responsible for determining the number of directors on the Board and does so based on periodic reviews and recommendations from the Governance Committee. The Governance Committee and the Board currently view the optimum range to be between 7 and 9 directors.

The Board selects nominees for election as directors by the Company's stockholders and fills any vacancies that may arise between annual stockholder meetings, based on the Governance Committee's recommendations. When filling a vacancy, the Board shall designate the class to which the new director shall be appointed, taking into consideration the requirements of the charter and bylaws that the Board classes be as nearly equal as possible. Directors added to the Board to fill vacancies are expected to be recommended for election at the next annual stockholder meeting at which the relevant Board class is up for election (or, if proxy materials for such meeting have already been distributed, at the next succeeding annual meeting at which the relevant board class is up for election).

The Governance Committee shall evaluate the suitability of potential nominees for membership on the Board, taking into consideration the Board's current composition, including expertise, diversity, and balance of inside, outside and independent directors, and considering the general qualifications of the potential nominees, such as:

- Unquestionable integrity and honesty,
- The ability to exercise sound, mature and independent business judgment in the best interests of the Company and its shareholders as a whole,
- A background and experience enhancing the diversity of the Board and its competence in core areas, including management, accounting, and finance; knowledge of the industries in which the Company operates; understanding of technology, manufacturing and services, operations, strategic vision, knowledge of international markets, marketing, research and development; and other fields which will complement the talents of the other Board members,
- Willingness and capability to take the time to actively participate in Board and Committee meetings and related activities,
- The ability to work professionally and effectively with other Board members and Company management,
- Availability to remain on the Board long enough to make an effective contribution, and
- The absence of material relationships with competitors or other third parties that could present realistic possibilities of conflict of interest or relevant legal issues.

The Governance Committee shall see that all necessary and appropriate inquiries are made into the backgrounds of such candidates.

When considering its recommendations, the Governance Committee shall also consider the advice and recommendations of the CEO and the stockholders of the Company.

The following standards are also applied in the selection of candidates for nomination:

- Independence. At least two-thirds of the Board should consist of directors who are independent

as defined in the Nasdaq listing rules. At least annually, the Board shall make an affirmative determination with regard to the independence of each director.

- Other Board Service. Service by a Veeco director on the Board of one or more other companies must be consistent with Veeco's conflict of interest policies and the nature and time involved in such service shall be taken into account in evaluating the suitability of individual directors for nomination.

The Board shall take its self-evaluation process and other appropriate factors into consideration with regard to nomination of directors for re-election, and applies the following policies:

- Retirement Age. In general, the Board believes that 75 is an appropriate retirement age for Directors and will not nominate directors for re-election who are beyond 75 years of age unless, after review of the specific qualifications, experience and contributions of the nominee and the matters likely to be addressed by the Board during the coming year, the Board determines that it would be in the best interests of the Company to nominate the director for re-election.
- Resignation Upon Change in Principal Occupation or Failure to Receive Required Vote. If an individual director changes his or her principal employment from what it was when elected to the Board (or as subsequently changed with notice to the Company and following the provisions of this paragraph) or undergoes a change affecting their qualifications as a Director as described above, or fails to receive the required number of votes for re-election, then that director shall tender a letter of resignation. When a resignation is tendered under these circumstances, the Governance Committee will inform the Board as to whether or not it recommends the acceptance of the resignation. If the resignation is tendered for failure to receive the required number of votes for re-election, the Governance Committee will also inform the Board of any other action it recommends be taken.

Ethics and Conflicts of Interest

Directors must meet the highest levels of honesty, integrity, and objectivity, and comply with all relevant laws, governmental regulations, and the Veeco Code of Conduct as it applies to them. They must be alert to any actual, apparent or potential conflict of interest, as well as any other situation or activity that would compromise their ability to carry out their duties ethically and objectively. If an actual, apparent or potential conflict of interest arises for a director, that director will promptly inform the CEO, the Chair, the Lead Director or the Chair of the Governance Committee, who will bring the matter before the Board to resolve on a case-by-case basis. Directors will recuse themselves from any discussion or decision affecting their personal, business or professional interests, and may rely upon the advice of the Secretary or General Counsel in deciding whether or not recusal is necessary or appropriate. If a significant conflict exists and cannot be resolved, the director should resign.

Directors' Time Commitment and Availability

Directors are expected to regularly attend Board meetings and meetings of the committees on which they serve and to ensure that other existing and planned future commitments do not materially interfere with the member's service as an outstanding director. They are expected to review all materials distributed to them in advance of the meetings and to spend the time necessary to prepare for meetings. Directors must be contactable by the Chair and the Secretary on short notice and be available for special meetings of the Board and any committee on which they serve when necessary.

Absent unusual circumstances, Board members are expected to attend all of the meetings of the Board and any committees on which they serve. Meeting attendance shall be a factor considered by the Board in deciding whether to nominate such director for re-election.

Stock Ownership Guidelines

Non-employee Board members should hold Veeco stock with a value equal to at least three times the Director's annual cash retainers (excluding retainers for committee, chair or lead director service), subject to a 5-year phase-in period. In addition, the CEO should hold Veeco stock with a value equal to at least six times his base salary; Executive Vice Presidents should hold Veeco stock with a value equal to at least two times their base salaries; and other executives covered by the stock ownership guidelines should hold Veeco stock with a value equal to at least their base salaries; in each case, subject to a phase-in period.

Board Agenda and Information

The CEO, taking into account suggestions from the Chair, the Lead Director and other members of the Board, will set the agenda for each Board meeting. The Secretary will distribute or otherwise make available this agenda, together with appropriate information for consideration in connection with the agenda topics, to each director in advance of the meeting. In addition, there should be an annual cycle of agenda items which evolves from year to year, such as presentations from Finance, Sales and Marketing and the major business segments and operations of the Company, as well as a session on the Company's long-term strategic plan, including a discussion of relevant risks, where appropriate, in connection with particular agenda items. Sensitive subject matters do not necessarily require written materials. The CEO shall take into account suggestions from the Chair, the Lead Director and other members of the Board to ensure an appropriate flow of information to the Board.

Board Interaction with Stakeholders

The Board recognizes that shareholders' long-term interests are advanced by responsibly addressing the concerns of all stakeholders essential to the Company's success, including institutional and other investors, customers, employees, communities, suppliers, creditors and governments. The CEO is responsible for establishing effective communication with those stakeholders. It is the policy of the Board that it is management's role to speak for the Company. Individual Board members may be requested from time to time to meet or otherwise communicate with various constituencies that are involved with the Company, but normally do so only upon the request of management and with the prior knowledge of the CEO.

Any stockholder who wishes to communicate directly with the Board, with any Board committee or with any individual director regarding the Company may write to the Board, the committee or the director c/o Secretary, Veeco Instruments Inc., 1 Terminal Drive, Plainview, New York 11803. The Secretary will forward all such communications to the appropriate director(s).

Board and Committee Access to Management and Advisors

The Board and its Committees are free to retain such independent legal, financial or other advisors as the Board or such Committee deems necessary. In addition, the Board and its Committees have full and free access to officers and employees of the Company. Board members shall use sound business judgment to ensure such contact is not distracting. The Board shall also encourage senior management, from time to time, to bring employees into Board meetings who: (a) provide insight concerning items being discussed due to personal involvement in these areas; (b) represent substantive and operational

aspects of the Company's business; and (c) expose the Board to employees with future potential to ensure that adequate plans are in place for management succession within the Company. For purposes of preparing the agenda for Board and Committee meetings, the CEO and Committee Chairs periodically solicit suggestions from the Chair, Lead Director and other directors for presentations by executive officers and other senior managers at Board and Committee meetings. Any additional meetings or contacts that a director wishes to initiate may be arranged through the CEO, Chair, the Secretary or any Committee Chair.

Director Orientation and Continuing Education

Each new director shall be given an introduction to the Board's duties and practices, as well as to Veeco's businesses and operations, its financial strategies, its controls and compliance systems and its compensation and benefits plans, within six months of joining the Board. The full Board shall participate in periodic reviews of the Company's businesses, as well as discussions of emerging areas of risk and opportunity led by Company management. The Board and its Committees shall also receive updates on evolving corporate governance standards and relevant best practices, as appropriate. In addition, the Company will encourage directors to attend director education programs and will reimburse directors for the cost of attending such programs pursuant to the separate Director Education Policy adopted by the Board. The Governance Committee will review annually the director education activities of each director.

Executive Sessions and Coordination of the Work of the Independent Directors

If the Chair is not independent, then the Company shall have a Lead Director who shall be one of the independent directors. The independent directors shall meet in executive session (without management) at regular Board meetings and other times as scheduled by the Chair or Lead Director, taking into account requests from other directors and the other matters being addressed by the Board at any given time. The Chair or Lead Director shall chair such sessions and shall generally coordinate the work of the independent directors, including, where appropriate:

- Setting the agenda for executive sessions, taking into account suggestions from other directors,
- Briefing the CEO on issues discussed in the executive sessions or otherwise communicated to the Chair or Lead Director by other directors for discussion with the CEO,
- Collaborating with the CEO in setting the Board agenda after seeking input from other directors,
- Ensuring, in collaboration with the Chair of the Governance Committee, that the activities of the independent directors are appropriately coordinated, that the information and advice required by the independent directors is available, and that the independent directors are appropriately represented when required, so as to permit them as a group to fulfill the responsibilities set forth in these guidelines,
- Formulating and approving annual goals for the CEO, and
- Overseeing the annual performance evaluation of the CEO and delivering the assessment to the CEO.

Performance Evaluation of the Board

An annual self-evaluation shall be conducted of the Board, each Committee and individual Board

members. An external governance advisor shall be utilized to facilitate the assessment at least every three years. The Governance Committee shall be responsible for establishing the evaluation criteria and overseeing the implementation of the process for such evaluation.

Committees of the Board

The Board has established the following committees: an Audit Committee, a Compensation Committee, and a Governance Committee.

The committee chairs will set the agenda for each committee meeting, and the corporate officer working with such committee will distribute or otherwise make available this agenda, together with appropriate information for consideration in connection with the agenda topics, to each committee member in advance of the meeting.

Charters of the Board committees providing more detail with regard to their responsibilities are published on the Company website at www.veeco.com under the heading “Investors – Corporate Governance – Board Committees.” Each Board committee shall review its charter at least once every three years and recommend to the Board any changes it deems necessary.

The Governance Committee

The Governance Committee shall assist the Board in identifying qualified individuals to become Board members and developing and implementing the Company’s corporate governance principles. The Governance Committee shall also be responsible, after consultation with the CEO, Chair and Lead Director, for making recommendations to the Board with respect to the assignment of Board members to various committees, as well as the committee chairs and the Lead Director. After reviewing the Governance Committee’s recommendations, the Board shall appoint committee members and chairs and the Chair and/or Lead Director, on a periodic basis. The CEO, Chair, Lead Director and Governance Committee shall periodically review committee assignments and shall consider the rotation of committee chairs and members with a view toward balancing the benefits derived from continuity against the benefits derived from the diversity of experience and viewpoints of the various directors.

Shareholder Proposals and Voting Results

The Governance Committee shall be responsible for (a) reviewing shareholder proposals and voting results from the most-recent annual meeting of shareholders, (b) considering any issues which receive substantial support, (c) anticipating any shareholder engagement needed on governance matters and (d) communicating its recommendations to the Board with respect to such matters.

The Compensation Committee

The Compensation Committee shall assist the Board with regard to:

- Compensation of the Company’s executives;
- Oversight of the general compensation philosophy of the Company;
- Adoption and administration of policies and plans governing the Company’s compensation, employee benefit and equity programs; and
- Reporting on executive compensation to the Company’s shareholders.

Director Compensation

The Compensation Committee shall consider various factors in determining the form and amount of director compensation to recommend to the Board, including alignment of incentives with the interests of the Company and its shareholders, the maintenance of the independence of a majority of members of the Board, consideration of the work load, time commitment and responsibilities involved in Board and Committee meeting participation, and comparison with the compensation practices of comparable companies. The Board shall have the authority to compensate directors who perform significant additional services on behalf of the Board or a Committee. Such compensation shall be determined by the Board in its discretion, taking into consideration the scope and extent of such additional services. No inside director shall receive compensation, other than reimbursement for out-of-pocket expenses or traveling expenses, for his or her service on the Board or any of its committees. The Company is not permitted to make personal loans to, or to extend any credit in the form of a personal loan to, any director or executive officer, unless the primary purpose of the loan, from the perspective of the Company, is to advance the business of the Company.

Succession Planning

As part of the annual officer evaluation process, the Compensation Committee shall work with the CEO to plan for CEO and other key officer succession, as well as to develop plans for interim succession for the CEO in the event of an unexpected occurrence. In particular, the CEO shall provide an assessment of senior managers and their potential to succeed him/her and/or other senior key officers. The results of these reviews shall be reported to and discussed with the Board.

Equity Award Best Practices

The Company shall generally observe the following "best practices" regarding equity awards:

- Annual grants will be approved at a regularly scheduled meeting of the Compensation Committee and made during a trading window. ^[L]_[SEP] The Compensation Committee will approve a schedule setting forth each award on an individual-by-individual basis.
- Unless otherwise approved by the Compensation Committee, awards will conform to grant guidelines approved by the Compensation Committee from time to time. Any proposed award that exceeds the guidelines will be highlighted for the Compensation Committee. ^[L]_[SEP]
- Interim grants (for new hires, promotions and special recognition) will be made at regularly scheduled or special meetings of the Compensation Committee or pursuant to, and consistent with, guidelines pre-approved by the Compensation Committee. ^[L]_[SEP]
- In general, awards will be effective on the date specified by the Compensation Committee. In most cases, the date of the Committee or Board approval will be the grant date, on which the fair market value of the award will be based. In the case of promotions, new hires or special recognition, however, the Committee may designate a future date for the award to coincide with the date of such promotion, hire or special recognition event. In no event will the effective date of an award precede the date on which the Committee or Board approves the award or, in the case of a new hire, the employee's start date with the Company.

Integrity of Executive Hires in Financial or Oversight Capacity

The Company shall not hire anyone to its internal audit, finance or treasury departments at the executive level or above who has been employed by the Company's auditors for any portion of the three (3) years preceding the date of hire.

The Audit Committee

The duties of the Audit Committee shall include, without limitation:

- executive sessions with internal audit;
- independent external auditor retention;
- executive sessions with the independent external auditor, including a review of the external auditor's recommendations with respect to financial management (to be a routine item on the Audit Committee's agenda for each of its quarterly meetings); and
- minimum of four regularly scheduled meetings to review annual and interim financial statements and disclosures as well as related independent auditor attestations/certifications/reports.

Internal Controls

The Company shall maintain the position of internal auditor, which may be staffed by a Company employee and/or an independent contractor or consultant, to manage and/or perform the Company's internal audit function. Such manager of internal audit shall meet with the Chief Financial Officer ("CFO") and Audit Committee at least four times per year. The Company shall maintain the position of Chief Accounting Officer, who shall report directly to the Chief Financial Officer and the Audit Committee.

Chief Compliance Officer

The Company shall designate a Chief Compliance Officer. The Chief Compliance Officer shall assist senior management in fostering a culture integrating compliance and ethics into business processes and practices. The duties of the Chief Compliance Officer shall include, without limitation:

- meeting periodically with employees as well as the CFO and, if appropriate, members of the Board;
- overseeing the implementation and administration of, and monitoring the effectiveness of, the Company's Code of Conduct;
- providing periodic reports to the Audit Committee as he/she deems appropriate; and
- promptly reporting to the Audit Committee, either directly or through its Chair, any allegations of non-compliance with the Code of Conduct by any executive officer and any allegations relating to potential financial fraud by any executive officer.

Reporting Concerns to an Independent Director

Any individual who wishes to report a concern regarding the Company directly to an independent director may write to the director c/o Secretary, Veeco Instruments Inc., 1 Terminal Drive, Plainview, New York 11803. The Secretary will forward all such communications to the appropriate director.

Periodic Review of Governance Practices and Guidelines

On the basis of the periodic Board evaluation and discussion, as well as developments in law, listing standards, and governance best practices, the Governance Committee shall review Board size and leadership structure and recommend to the Board, from time to time, any changes which the Governance Committee believes to be desirable with regard to the appropriate size, leadership structure and other organizational matters relating to the Board. The Governance Committee shall also review these Guidelines and recommend any appropriate changes to the Board for its consideration. The Company shall make a copy of these Guidelines, and any future versions, available on its website. In addition, the Company's annual proxy statement will discuss any material changes in these Corporate Governance Guidelines adopted within the past year.

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