

AFFYMETRIX, INC.

A Delaware corporation
(the “**Company**”)

Nominating and Corporate Governance Committee Charter

(Adopted July 17, 2003)
(Amended February 27, 2004)

Purpose

The Nominating and Corporate Governance Committee (the “**Committee**”) is created by the Board of Directors of the Company to:

- identify individuals qualified to become Board members, and recommend to the Board director nominees for election at the next annual or special meeting of shareholders at which directors are to be elected or to fill any vacancies or newly created directorships that may occur between such meetings;
- recommend directors for appointment to Board committees;
- evaluate Board performance;
- develop and evaluate on an ongoing basis the Corporate Governance Guidelines and Code of Business Conduct and Ethics of the Company and oversee compliance with such Guidelines and Code; and
- recommend the Corporate Governance Guidelines and Code of Business Conduct and Ethics to the Board.

Membership

The Committee shall consist of at least two members who are independent directors, meeting the independence requirements of NASDAQ. The majority of which shall be independent members. Committee members shall be appointed by the Board and may be removed by the Board at any time. The Committee shall recommend to the Board, and the Board shall designate, the Chair of the Committee.

Authority and Responsibilities

In addition to any other responsibilities which may be assigned from time to time by the Board, the Committee is responsible for the following matters:

Board/Committee Nominees

- The Committee shall oversee searches for and identify qualified individuals for membership on the Company’s Board of Directors.

- The Committee shall establish criteria for Board and Board committee membership, including director independence, and shall recommend individuals for membership on the Company's Board of Directors and directors for appointment to the committees of the Board. In making its recommendations, the Committee shall:
 - review candidates' qualifications for membership on the Board or a committee of the Board (including making a specific determination as to the independence of each candidate) based on the criteria established by the Committee (and taking into account the enhanced independence, financial literacy and financial expertise standards that may be required under law or NASDAQ rules for audit committee membership purposes);
 - in evaluating current directors for re-nomination to the Board or re-appointment to any Board committees, assess the performance of such director;
 - periodically review the composition of the Board and its committees in light of the current challenges and needs of the Board and each committee, and determine whether it may be appropriate to add or remove individuals after considering issues of judgment, diversity, skills, background and experience;
 - consider rotation of committee members and committee Chairs; and
 - consider any other factors that are set forth in the Company's Corporate Governance Guidelines or are deemed appropriate by the Committee.

Evaluating the Board and Its Committees

- At least annually, the Committee shall lead the Board in a self-evaluation to determine whether it and its committees are functioning effectively. The Committee shall evaluate all other committees. The Committee shall oversee the evaluation process and report on such process and the results of the evaluations, including any recommendations for proposed changes, to the Board. The Committee shall conduct periodic review of the committee charters and recommend any changes to the Board.
- The Committee shall periodically review the size and responsibilities of the Board and its committees and recommend any proposed changes to the Board.

Corporate Governance Matters

- The Committee shall develop and recommend to the Board the Corporate Governance Guidelines and Code of Business Conduct and Ethics for the Company. At least annually, the Committee shall review and reassess the adequacy of such Corporate Governance Guidelines and Code of Business Conduct and Ethics and recommend any proposed changes to the Board.
- The Committee shall be responsible for any tasks assigned to it in the Company's Corporate Governance Guidelines.

- The Committee shall oversee compliance with the Company's Corporate Governance Guidelines and Code of Business Conduct and Ethics and report on such compliance to the Board. The Committee shall also review and consider any requests for waivers of the Company's Corporate Governance Guidelines or Code of Business Conduct and Ethics for the Company's directors, executive officers and other senior financial officers, and shall make a recommendation to the Board with respect to such request for a waiver.
- The Committee shall review potential conflicts of interest involving directors and shall determine whether such director or directors may vote on any issue as to which there may be a conflict.

Reporting to the Board

- The Committee shall report to the Board at each Board meeting. This report shall include a review of any recommendations or issues that arise with respect to Board or committee nominees or membership, Board performance, corporate governance or any other matters that the Committee deems appropriate or is requested to be included by the Board.
- At least annually, the Committee shall evaluate its own performance and report to the Board on such evaluation.
- The Committee shall periodically review and assess the adequacy of this charter and recommend any proposed changes to the Board for approval.

Procedures

The Committee shall meet as often as it determines is appropriate to carry out its responsibilities under this charter. The Chair of the Committee, in consultation with the other Committee members, shall determine the frequency and length of the Committee meetings and shall set meeting agendas consistent with this charter.

The Committee has the sole authority to retain and terminate any search firm assisting the Committee in identifying director candidates, including sole authority to approve all such search firm's fees and other retention terms.

The Committee may delegate its authority to subcommittees or the Chair of the Committee when it deems appropriate and in the best interests of the Company.