

SPECTRAL AI, INC.

CHARTER OF THE COMPENSATION COMMITTEE

Effective: September 11, 2023

I. Membership

The Compensation Committee (the “*Committee*”) of the board of directors (the “*Board*”) of Spectral AI, Inc., a Delaware corporation (the “*Company*”) shall consist of two or more directors. Each member of the Committee shall be independent in accordance with the rules of the Nasdaq Stock Market LLC (“*Nasdaq*”) and the Company’s independence guidelines for members of the Committee.

At least two members of the Committee must qualify as “non-employee directors” for the purposes of Rule 16b-3 under the Securities Exchange Act of 1934, as amended (the “*Exchange Act*”).

The members of the Committee shall be appointed by the Board based on recommendations from the Nominating and Corporate Governance Committee of the Board. The members of the Committee shall be appointed for one-year terms and shall serve for such term or terms as the Board may determine or until earlier resignation or death. The Board may remove any member from the Committee at any time with or without cause.

II. Purpose

The purpose of the Committee is to carry out the responsibilities delegated by the Board relating to the review and determination of executive compensation.

III. Duties and Responsibilities

The Committee shall have the following authority and responsibilities:

1. To review and approve annually the corporate goals and objectives applicable to the compensation of the chief executive officer (“*CEO*”), evaluate at least annually the CEO’s performance in light of those goals and objectives, and determine and approve the CEO’s compensation level based on this evaluation. In determining the long-term incentive component of CEO compensation, the Committee may consider the Company’s performance and relative stockholder return, the value of similar incentive awards given to CEOs at comparable companies and the awards given to the Company’s CEO in past years.
2. To review and make recommendations to the Board regarding the compensation of all other executive officers.
3. To review, and make recommendations to the Board regarding incentive compensation plans and equity-based plans, and where appropriate or required, recommend for approval by the stockholders of the Company, which includes the ability to adopt, amend and terminate such plans. The Committee shall also have the authority to administer the Company’s incentive compensation plans and equity-based plans, including designation of the employees to whom the awards are to be granted, the amount of the award or equity to be granted and the terms and conditions applicable to each award or grant, subject to the provisions of each plan.
4. To review and discuss with management the Company’s executive compensation information, recommend that the executive compensation information be included in the Company’s annual report on Form 10-K and proxy statement, and produce the compensation committee report on executive officer compensation as required to be included in the Company’s proxy statement or annual report on Form 10-K.

5. To review and make recommendations to the Board regarding any employment agreements and any severance arrangements or plans, including any benefits to be provided in connection with a change in control, for the CEO and other executive officers, which includes the ability to adopt, amend and terminate such agreements, arrangements or plans.
6. To determine stock ownership guidelines for the CEO and other executive officers and monitor compliance with such guidelines.
7. To review and make recommendations to the Board regarding any employee benefit plans for the Company, which includes the ability to adopt, amend and terminate such plans and the ability to delegate oversight of such plans.
8. To review the Company's incentive compensation arrangements to determine whether they encourage excessive risk-taking, to review and discuss at least annually the relationship between risk management policies and practices and compensation, and to evaluate compensation policies and practices that could mitigate any such risk.
9. To review all director compensation and benefits for service on the Board and Board committees at least once a year and to recommend any changes to the Board as necessary.
10. To oversee, in conjunction with the Nominating and Corporate Governance Committee engagement with stockholders and proxy advisory firms on executive compensation matters.
11. To review and approve all special perquisites, special cash payments and other special compensation and benefit arrangements for officers and employees.

IV. Outside Advisors

The Committee shall have the authority, in its sole discretion, to select, retain and obtain the advice of a compensation consultant as necessary to assist with the execution of its duties and responsibilities as set forth in this Charter. The Committee shall set the compensation, and oversee the work, of the compensation consultant. The Committee shall have the authority, in its sole discretion, to retain and obtain the advice and assistance of outside legal counsel and such other advisors as it deems necessary to fulfill its duties and responsibilities under this Charter. The Committee shall set the compensation, and oversee the work, of its outside legal counsel and other advisors. The Committee shall receive appropriate funding from the Company, as determined by the Committee in its capacity as a committee of the Board, for the payment of compensation to its compensation consultants, outside legal counsel and any other advisors. However, the Committee shall not be required to implement or act consistently with the advice or recommendations of its compensation consultant, legal counsel or other advisor to the compensation committee, and the authority granted in this Charter shall not affect the ability or obligation of the Committee to exercise its own judgment in fulfillment of its duties under this Charter.

The compensation consultant(s), outside counsel and any other advisors retained by, or providing advice to, the Committee (other than the Company's in-house counsel) shall be independent as determined in the discretion of the Committee after considering the factors required by Nasdaq Stock Market LLC. The Committee may retain, or receive advice from, any compensation advisor they prefer, including ones that are not independent, after considering the specified factors. The Committee is not required to assess the independence of any compensation consultant or other advisor that acts in a role limited to consulting on any broad-based plan that does not discriminate in scope, terms or operation in favor of executive officers or directors and that is generally available to all salaried employees or providing information that is not customized for a particular company or that is customized based on parameters that are not developed by the consultant or advisor, and about which the consultant or advisor does not provide advice.

The Committee shall evaluate whether any compensation consultant retained or to be retained by it has any conflict of interest in accordance with Item 407(e)(3)(iv) of Regulation S-K. Any compensation

consultant retained by the Committee to assist with its responsibilities relating to executive compensation or director compensation shall not be retained by the Company for any compensation or other human resource matters.

V. Structure and Operations

The Board shall designate a member of the Committee as the chairperson. The Committee shall meet at least two times a year at such times and places as it deems necessary to fulfill its responsibilities. The Committee shall report regularly to the Board regarding its actions and make recommendations to the Board as appropriate. The Committee is governed by the same rules regarding meetings (including meetings in person or by telephone or other similar communications equipment), action without meetings, notice, waiver of notice, and quorum and voting requirements as are applicable to the Board.

The Committee may invite such members of management to its meetings as it deems appropriate. However, the Committee shall meet regularly without such members present, and in all cases the CEO and any other such officers shall not be present at meetings at which their compensation or performance is discussed or determined.

The Committee shall review this Charter at least annually and recommend any proposed changes to the Board for approval.

VI. Delegation of Authority

The Committee shall have the authority to delegate any of its responsibilities, along with the authority to take action in relation to such responsibilities, to one or more subcommittees as the Committee may deem appropriate in its sole discretion. Subject to applicable law, rules and regulations and the organizational documents of the Company, the Committee shall have the authority to delegate any of its responsibilities, along with the authority to take action in relation to such responsibilities, to one or more officers, employees or a committee that includes one or more officers or employees, of the Company.

VII. Performance Evaluation

The Committee shall conduct an annual evaluation of the performance of its duties under this charter and shall present the results of the evaluation to the Board. The Committee shall conduct this evaluation in such manner as it deems appropriate.

Adopted: September 11, 2023