

**AVIDIA BANCORP, INC.
AVIDIA BANK**

AUDIT COMMITTEE CHARTER

I. Joint Audit Committee

The Boards of Directors of Avidia Bancorp, Inc. and Avidia Bank (the “Bank”) have established a Joint Audit Committee (the “Audit Committee”). References herein to the “Company” include Avidia Bancorp, Inc. and, where applicable, the Bank, and references herein to the “Board” shall include the Board of Directors of Avidia Bancorp, Inc. and the Bank’s Board of Directors. The Board has adopted this Audit Committee Charter to govern the operation of the Audit Committee.

II. Purpose

The primary function of the Audit Committee is to review: (i) the integrity of the Company’s financial statements and the financial reports and other financial information provided by the Company to any governmental body or the public, including any certification, report, opinion or review performed by the Company’s independent registered public accountants; (ii) the Company’s compliance with legal and regulatory requirements; (iii) the independent registered public accountants’ qualification and independence; (iv) the performance of the Company’s internal audit functions, its independent auditor, its independent registered public accountants and its system of internal controls and disclosure procedures regarding finance, accounting, legal compliance and ethics that management and the Board have established; (v) the Company’s auditing, accounting and financial reporting processes generally; and (vi) the preparation of disclosure required by the rules of the Securities and Exchange Commission (the “SEC”) to be included in the Company’s annual meeting proxy statement.

III. Organization

The Audit Committee shall be comprised of three or more directors, as determined by the Board, each of whom satisfies the definition of “independent director” as set forth in the applicable qualitative listing requirement for New York Stock Exchange (“NYSE”) issuers and applicable SEC rules and regulations. All members of the Audit Committee must be financially literate at time of appointment, as determined by the Board in its business judgment. In addition, at least one member of the Audit Committee (who may also serve as the “audit committee financial expert,” as defined in applicable SEC rule and regulations) shall have accounting or related financial management at the time of appointment, as determined by the Board in its business judgment. The members of the Audit Committee and the Chairperson of the Audit Committee will be elected by the Board on an annual basis.

IV. Structure and Meetings

The Audit Committee shall meet four times per year at minimum, or more frequently as circumstances may require. The Chairperson shall preside at the meeting and, in consultation with other members of the Audit Committee, will set the frequency and length of each meeting and the agenda of the items to be addressed at each meeting. The Chairperson shall ensure that

the agenda for each meeting is circulated to each Audit Committee member in advance of the meeting. A quorum of the Audit Committee shall be declared when a majority of the appointed members of the Audit Committee are in attendance, and all actions of the Audit Committee shall require the affirmative vote of a majority of the membership of the Audit Committee. Written minutes shall be kept for all meeting of the Audit Committee. Polling of Audit Committee members is not permitted in lieu of meeting. Following each meeting of the Audit Committee, the Audit Committee shall report to the Board at the Board's next regularly scheduled meeting.

V. Goals and Responsibilities

In carrying out its responsibilities, the Audit Committee believes its policies and procedures should remain flexible in order to best react to changing conditions and to provide assurance to the directors and stockholders of the Company that the corporate accounting and reporting practices of the Company comply with all requirements and are of the highest quality. To fulfill its responsibilities and duties the Audit Committee shall:

1. Provide an open avenue of communication between management, the independent registered public accountants, internal audit function and the Board.
2. Meet with the independent registered public accountants and management at least quarterly to review the Company's annual audited financial statements or quarterly financial statements, as applicable, including reviewing the Company's disclosures under the captions "Management's Discussion and Analysis of Financial Condition and Results of Operations" contained in the Company's Annual Report on Form 10-K and Quarterly Reports on Form 10-Q. In meetings attended by the independent registered public accountants or by regulatory examiners, a portion of the meeting will be reserved for the Audit Committee to meet in closed session with these parties.
3. Obtain and review, at least annually, a report by the Company's independent registered public accounting firm describing: (i) the firm's internal quality control procedures, (ii) any material issues raised by the most recent internal quality control review, or peer review, of the firm, or by any inquiry or investigation by governmental or professional authorities, within the preceding five years, with respect to one or more independent audits carried out by the firm, and any steps taken by the firm to deal with any such issues, and (iii) all relationships between the firm and the Company (so that the Audit Committee may assess the firm's independence).
4. Discuss policies with respect to risk assessment and risk management.
5. Periodically, meet separately with management, the internal auditor and the independent registered public accounting firm.
6. Review with the independent registered public accountants and the internal auditor the work to be performed by each to assure completeness of coverage, reduction of redundant efforts and the effective use of audit resources.

7. Review all significant risks or exposures to the Company found during audits performed by the independent registered public accountants and the internal audit department and to ensure that these items are discussed with management. From these discussions, assess and report to the Board regarding how the findings should be addressed.
8. Review recommendations from the independent registered public accountants and the internal auditing department regarding internal controls and other matters relating to the accounting policies and procedures of the Company.
9. Following each meeting of the Audit Committee, the Chairperson of the committee will submit a record of the meeting to the Board including any recommendations that the Committee may deem appropriate.
10. Ensure that the independent registered public accountants discuss with the Audit Committee their judgments about the quality, not just the acceptability, of the Company's accounting principles as applied in the financial reports. The discussion should include such issues as the clarity of the Company's financial disclosures and degree of aggressiveness or conservatism of the Company's accounting principles and underlying estimates and other significant decisions made by management in preparing the financial disclosures.
11. Review the Company's audited annual financial statements and the independent registered public accountant's opinion regarding such financial statements, including a review of the nature and extent of any significant changes in accounting principles.
12. Arrange for the independent registered public accountants to be available to the full Board at least annually to discuss the results of the annual audit and the audited financial statements that are a part of the annual report to stockholders.
13. Review with management, the independent registered public accountants, the internal auditor and legal counsel, legal and regulatory matters that may have a material impact on the financial statements.
14. Review with management and the independent registered public accountants all interim financial reports filed pursuant to the Securities Exchange Act of 1934.
15. Generally discuss earnings press releases and financial information as well as any earnings guidance provided to analysts and rating agencies.
16. Select, and annually review the performance of, the independent registered public accountants, considering independence and effectiveness, and be directly responsible for their appointment, compensation, retention and oversight (including review with the independent registered public accounting firm any audit problems or difficulties and management's response to them and resolution of disagreements between management and the independent registered public accountants regarding financial reporting) for the purpose of preparing or issuing

an audit report or performing other audit, review or attestation services for the Company, and the independent registered public accountants shall report directly to the Audit Committee. The Audit Committee shall confirm the independence of the independent registered public accountants by requiring the independent registered public accountants to disclose in writing all relationships that, in the independent registered public accountants' professional judgment, may reasonably be thought to bear on the ability to perform the audit independently and objectively.

17. Review the activities, organizational structure and qualifications of the internal audit function. The Audit Committee should also review and concur in the appointment, replacement, reassignment, or dismissal of the internal auditor.
18. Establish and maintain procedures for (i) receiving, retaining and treating complaints received by the Company regarding accounting, internal accounting controls, or auditing matters, and (ii) the confidential, anonymous submission by employees of the Company of concerns regarding questionable accounting or auditing matters.
19. Approve, in advance, all permissible non-audit services to be completed by the independent registered public accountants to ensure that they do not provide any non-audit services to the Company that are prohibited by law or regulation.
20. Set clear hiring policies for hiring employees or former employees of the independent registered public accountants.
21. Review and approve all "related-party transactions" (defined as those required to be disclosed pursuant to Item 404 of SEC Regulation S-K).
22. At least annually, review with both the independent registered public accountants and the internal auditor, the Company's adherence to the requirements of the Sarbanes-Oxley Act of 2002.
23. Provide for continuing education of Audit Committee members, as considered appropriate.
24. Review and reassess annually the adequacy of this Charter and recommend any proposed changes to the Board for approval.

VI. Performance Evaluation and Disclosure Obligations

The Audit Committee shall conduct an annual evaluation assessing its performance with respect to its purpose and its goals and responsibilities and report the evaluation results to the Board.

The Company shall post this Charter on its website.

VII. Audit Committee Resources

The Audit Committee shall be authorized to retain independent counsel and other advisors as it deems necessary to carry out its duties. The Company shall provide the Audit Committee with appropriate funding, as determined by the Audit Committee, to carry out its purpose and its goals and responsibilities and to pay the ordinary administrative expenses of the Audit Committee.

Adopted: June 26, 2025