SEASTAR MEDICAL HOLDING CORPORATION
NOMINATING AND CORPORATE GOVERNANCE COMMITTEE CHARTER
(as amended and restated on August 11, 2026)

This Nominating and Corporate Governance Committee Charter (this "Charter") was adopted by the Board of Directors (the "Board") of SeaStar Medical Holding Corporation, a Delaware corporation (the "Company"), on October 28, 2022 and was amended and restated on August 11, 2026.

I. Purpose

The purpose of the Nominating and Corporate Governance Committee (the "Committee") is to assist the Board with its responsibilities regarding:

(i) the identification of individuals qualified to become Board and committee members, seeking to develop a Board that reflects diverse backgrounds, experiences, expertise, skill sets and viewpoints

(ii) the selection of director nominees to be elected at the next annual meeting of stockholders (or special meeting of stockholders at which directors are to be elected);

(iii) the selection of director candidates to fill any vacancies on the Board;

(iv) the implementation of and the monitoring of compliance with, the Company's Code of Business Conduct other than with respect to complaints regarding accounting or auditing issues; and

II. Membership

The Committee shall consist of at least two members of the Board, or such other number of members as required under the applicable rules of the Nasdaq Stock Market ("Nasdaq"), each of whom, in the business judgment of the Board, has experience that would be valuable to providing broad direction to the Board on matters related to director nominations and corporate governance. Each member of the Committee will also satisfy the independence requirements of Nasdaq, the Securities and Exchange Commission ("SEC") and the Company's Corporate Governance Guidelines, if any.

The members of the Committee shall be appointed by the Board on the recommendation of the Committee. Any Committee member may resign effective upon giving oral or written notice to the Chair of the Board, the Corporate Secretary or the Board (unless the notice specifies a later time for the effectiveness of such resignation).

Unless a Chair of the Committee is designated by the Board, the Committee may designate a Chair by a majority vote of the full Committee membership. Committee members may be removed from the Committee, with or without cause, by the Board.

III. Meetings and Procedures

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The Committee shall meet on such occasions as the members of the Chair may from time to time determine or as circumstances may dictate. Meetings of the Committee shall be held upon call by the Chair of the Board or the Chair of the Committee. A quorum of the Committee shall consist of a majority of the members of the Committee. The vote of a majority of the members of the Committee present at the time of a vote, if a quorum is present at that time, shall be the act of the Committee, except to the extent otherwise required by the Company's certificate of incorporation or bylaws (each as in effect from time to time). The Chair of the Committee (or in his or her absence, a member designated by the Chair of the Committee) shall preside at each meeting of the Committee and set the agenda for Committee meetings. The Committee shall have the authority to establish its own rules and procedures for notice and conduct of its meetings so long as they are not inconsistent with any provisions of the Company's bylaws. Meetings of the Committee may be held in person, by conference call or by electronic means including videoconference. Unless otherwise restricted by the Company's certificate of incorporation or bylaws, any action required or permitted to be taken at any meeting of the Committee may be taken without a meeting if all members of the Committee consent thereto in writing.

All non-management directors that are not members of the Committee may attend and observe meetings of the Committee at the invitation of the Committee Chair but may not vote and shall not participate in any discussion or deliberation unless invited to do so by the Committee. The Committee may, at its discretion, include in its meetings members of the Company's management or any other personnel employed or retained by the Company or any other persons whose presence the Committee believes to be necessary or appropriate. Notwithstanding the foregoing, the Committee may also exclude from its meetings any persons it deems appropriate.

The Chair of the Committee shall report to the Board following meetings of the Committee and as otherwise requested by the Chair of the Board or by other directors.

The Committee will maintain a record of written minutes of its meetings and written actions without meetings, which minutes and actions will be filed with the minutes of the meetings of the Board.

The Committee may form and delegate authority to subcommittees to the extent consistent with the Company's certificate of incorporation, bylaws, applicable law, and SEC and Nasdaq rules.

IV. <u>Responsibilities</u>

The responsibilities of the Committee are to:

(i) identify and evaluate candidates that the Committee believes are qualified to become Board members;

(ii) recommend to the Board new directors for election annually by the stockholders, at an annual or special meeting of the stockholders at which directors are to be elected, and otherwise to fill any vacancies arising if deemed appropriate, in compliance with the selection criteria outlined below;

(iii) consider any candidates recommended by the Company's stockholders who submit recommendations in accordance with the procedures and other requirements as established by the SEC and the Company's bylaws.

(iv) review and evaluate the performance of individual directors and recommend to the Board the directors to be nominated for election or re-election by stockholders;

(v) evaluate and recommend to the Board the removal of individual directors (in accordance with the Company's certificate of incorporation, bylaws, any Corporate Governance Guidelines, this Charter and the charters of the Company's other committees), for cause or other lawful reasons;

(vi) recommend to the Board director retirement policies;

(vii) recommend to the Board the membership composition of the Board committees, make recommendations to the Board regarding the size of the Board and Board committees, and evaluate Board practices regarding the succession of directors;

(viii) make recommendations to the Board regarding the authority of Board committees (including the Committee) to form and delegate authority to subcommittees;

(ix) oversee, by providing written criteria for, the Board's annual review of the performance of the Board and the Board committees (including its composition and organization) and make appropriate recommendations for improving the Board's performance;

(x) make recommendations to the Board regarding corporate governance matters, including, but not limited to, the Company's certificate of incorporation, bylaws and this Charter;

(xi) develop and recommend to the Board the Corporate Governance Guidelines if desired;

(xii) periodically review the performance of the Committee;

(xiii) periodically report to the Board on the Committee's findings and actions;

(xiv) oversee the implementation and monitoring of compliance with the Company's Code of Business Conduct other than with respect to complaints regarding accounting or auditing issues; and

(xv) unless the Board has established an alternative committee pursuant to the Corporate Governance Guidelines, deliberate and take such actions as it deems appropriate with respect to incumbent directors who fail to receive the required vote for re-election to the Board as specified in the bylaws, which actions may include accepting or not accepting any resignations that may be tendered by such directors, requesting that any such director submit his or her resignation to the Company or such other actions as are contemplated by the Corporate Governance Guidelines, if any.

In addition to the powers and responsibilities expressly delegated to the Committee in this Charter, the Committee may exercise any other powers and carry out any other responsibilities delegated to it by the Board from time to time consistent with the Company's bylaws and applicable law. The powers and responsibilities delegated by the Board to the Committee, in this Charter or otherwise, shall be exercised and carried out by the Committee as it deems appropriate

a. <u>Board Member Selection Criteria</u>

The Committee may consider the following criteria, among others, in recommending candidates for election to the Board:

(i) independence from management;

(ii) enhancement of the diversity of viewpoints, backgrounds, experiences, expertise, and skill sets of the Board;

(iii) personal and professional integrity, ethics and values;

(iv) experience in the affairs of the Board including reviewing financial statements and corporate governance;

(v) experience in the Company's industry;

(vi) experience as a board member and in particular a board member of another publicly held company;

(vii) practical and mature business judgment;

(viii) technical expertise in an area of the Company's operations; and

(ix) the other ongoing commitments and obligations of the candidate.

b. <u>Committee Selection Criteria</u>

Each individual nominated to a Board committee will satisfy the following qualifications:

(i) members of the chartered committees must meet the independence requirements of Nasdaq, the SEC and those set forth in the Corporate Governance Guidelines, if any; and

(ii) members of the Audit Committee, Nominating and Corporate Governance Committee and Compensation Committee and any other standing committee of the Board satisfy the selection criteria specified in the relevant committee charter.

V. <u>Committee Resources</u>

The Committee shall have the authority to retain and obtain advice and assistance from internal or external legal, accounting or other advisors, and to retain consultants at the expense of the Company.