

## MEMX Execution Services LLC Routing Agreement

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Provided that User is a Member or Sponsored Participant of a Member of MEMX LLC (“Exchange”) and subject to a valid, ongoing User Agreement with Exchange, MEMX Execution Services LLC (hereinafter “MEMX Routing BD”), a broker-dealer registered in accordance with Section 15(a) of the Securities Exchange Act of 1934, as amended (the “Act”), agrees to act as agent to User for the purpose of providing certain routing services, as described herein, provided that User is bound by the terms and conditions of this agreement (the “Routing Agreement”) and any applicable rules and interpretations of Exchange Rules. Whereas MEMX Routing BD provides certain order routing services for Exchange, and User desires to use the order routing facilities of Exchange, for good and valuable consideration, User and MEMX Routing BD agree as follows:

- 1. Routing Services.** MEMX Routing BD agrees to act as agent for User for routing orders entered into Exchange to the applicable market centers or broker-dealers for execution, whenever such routing is at User’s request, and is permitted in accordance with Exchange Rules. User understands and agrees that orders executed on its behalf shall at all times be subject to the terms and conditions of Exchange Rules. In the event of a conflict between the Exchange Rules and this Routing Agreement, the Exchange Rules shall prevail.
- 2. Orders Not Eligible for Routing Services.** User agrees that MEMX Routing BD will not handle or otherwise route any orders that are not eligible for order routing in accordance with Exchange Rules.
- 3. Cancellation; Modification of Orders.** User agrees that any requests regarding cancellation or modification of orders shall be subject to Exchange Rules. User understands that the Exchange Rules may provide that requests to cancel orders while the order is routed away to another market center and remains outside Exchange will be processed by MEMX Routing BD subject to the applicable trading rules of the relevant market center.
- 4. Transmission of Order Instructions.** User agrees that all orders on its behalf must be transmitted to MEMX Routing BD through Exchange. User agrees that Exchange is its exclusive mechanism for purposes of transmitting orders on its behalf to MEMX Routing BD and for receiving notice regarding such orders. MEMX Routing BD shall be entitled to rely upon and act in accordance with any order instructions received from Exchange on behalf of User. User agrees that all order executions effected on behalf of User pursuant to this Routing Agreement shall be reported by MEMX Routing BD to Exchange. User shall be notified of such executions through Exchange.
- 5. Clearance and Settlement.** User agrees that all transactions executed on its behalf shall be processed in accordance with Exchange Rules. If User is a Member, User agrees that orders executed on its behalf by MEMX Routing BD shall be automatically processed by Exchange for clearance and settlement on a locked-in basis. If User is a Sponsored Participant, User agrees that all orders executed on its behalf by MEMX Routing BD shall be cleared and settled, using the relevant sponsoring Exchange Member’s mnemonic (or its clearing firm’s mnemonic, as applicable) and such Exchange Member retains responsibility for the clearance and settlement of all such orders.
- 6. Information.**
  - (a) **Confidentiality.** Both parties acknowledge that each party to this Routing Agreement may receive or have access to other proprietary or confidential information disclosed and reasonably understood as confidential by the disclosing party (collectively, the “Information”). The receiving party will use the disclosing party’s Information solely to perform its obligations under this Routing Agreement. The receiving party will take all precautions necessary to safeguard the confidentiality of the disclosing party’s Information, including without limitation: (i) those taken by the receiving party to protect its own confidential information; and (ii) those which the disclosing party may reasonably request from time to time. MEMX Routing BD will not disclose the identity of User or User’s customers to any of Exchange’s other Members or to any third parties in connection with orders, trades and other messages and instructions entered or executed by User on

Exchange, except as required by a court or regulatory or self-regulatory authority with jurisdiction over MEMX Routing BD, Exchange or User, or to facilitate the clearance and settlement of a trade, or with written permission from User.

(b) **Disclosure.** The receiving party will not disclose, in whole or in part, the disclosing party's Information to any person, except as specifically authorized under this Routing Agreement. If applicable, User may not disclose any data or compilations of data made available to User by MEMX Routing BD without the express, prior written authorization of MEMX Routing BD. The receiving party may also disclose Information in accordance with its regulatory obligations.

(c) **Unauthorized Use or Disclosure.** The parties acknowledge that any unauthorized use or disclosure of the disclosing party's Information may cause irreparable damage to the disclosing party. If an unauthorized use or disclosure occurs, the receiving party will immediately notify the disclosing party and take at its expense all steps necessary to recover the disclosing party's Information and to prevent its subsequent unauthorized use or dissemination, including availing itself of actions for seizure and injunctive relief. If the receiving party fails to take these steps in a timely and adequate manner, the disclosing party may take them at the receiving party's expense, and the receiving party will provide the disclosing party with its reasonable cooperation in such actions that the disclosing party may request.

(d) **Limitation.** The receiving party will have no confidentiality obligation with respect to any portion of the disclosing party's Information that: (i) the receiving party independently developed before receiving the Information from the disclosing party; (ii) the receiving party lawfully obtained from a third party under no obligation of confidentiality; (iii) is or becomes available to the public other than as a result of an act or omission of the receiving party or any of its employees; or (iv) the receiving party is compelled to disclose by law, regulation or legal process provided by a court of competent jurisdiction or other governmental entity to whose jurisdiction the receiving party is subject.

**7. Term of Agreement.** This Routing Agreement will be effective as of the date executed by MEMX Routing BD on the signature page hereof and will remain in effect thereafter until terminated by either party upon notice to the other party. Termination will be effective at the close of trading in the affected markets and applications on the day that notice of termination is received by the other party hereto. MEMX Routing BD may terminate this Routing Agreement with written notice if: (i) User is in breach of this Routing Agreement for any reason; (ii) any representations made by User in connection with this Routing Agreement or the User Agreement are or become false or misleading; or (iii) User is no longer a Member or Sponsored Participant of Exchange or otherwise authorized to access Exchange. Upon the termination of this Routing Agreement or the User Agreement for any reason, all rights granted to User hereunder will cease. The following Sections will survive the termination or expiration of this Routing Agreement for any reason: 6, 8, 9, 10, 11, 12, 15 and 17. In no event will termination of this Routing Agreement relieve User of any obligations incurred prior to the termination or through its use of or connection to Exchange.

**8. Indemnity.** User agrees to indemnify, defend and hold MEMX Routing BD harmless from and against any and all claims, demands, losses, costs, expenses, obligations, liabilities, damages, recoveries, and deficiencies, including interest, penalties, and attorneys' fees, arising from or as a result of User's breach of its obligations under this Routing Agreement or otherwise from its use of MEMX Routing BD routing services, unless such claims, demands, losses, costs, expenses, obligations, liabilities, damages, recoveries, and deficiencies arise from MEMX Routing BD's willful misconduct, fraud or breach of MEMX Routing BD's obligations under this Routing Agreement.

**9. Indemnification by MEMX Routing BD.** MEMX Routing BD agrees to indemnify, defend and hold harmless User and its subsidiaries, affiliates and its and their respective officers, directors, employees, and agents from and against all expenses and costs and damages (including any legal fees and expenses), direct, consequential, and/or incidental in nature, claims, demands, proceedings, suits, and actions, and all liabilities resulting from, in connection with, or arising out of any third party claim that the order routing services of MEMX Routing BD, or User's use thereof, infringes any copyright, patent, trademark, trade secret or other intellectual property right.

**10. DISCLAIMER OF WARRANTY.** ROUTING SERVICES ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND. ALL WARRANTIES, CONDITIONS, REPRESENTATIONS, INDEMNITIES AND GUARANTEES WITH RESPECT TO THE ROUTING

SERVICE, WHETHER EXPRESS, IMPLIED, OR STATUTORY, ARISING BY LAW, CUSTOM, PRIOR ORAL OR WRITTEN STATEMENTS BY MEMX ROUTING BD, EXCHANGE OR ITS OR THEIR AGENTS, AFFILIATES, LICENSORS OR OTHERWISE (INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF SATISFACTORY QUALITY, ACCURACY, UNINTERRUPTED USE, TIMELINESS, TRUTHFULNESS, SEQUENCE, COMPLETENESS, MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR NON-INFRINGEMENT AND ANY IMPLIED WARRANTIES ARISING FROM TRADE USAGE, COURSE OF DEALING OR COURSE OF PERFORMANCE) ARE HEREBY OVERRIDDEN, EXCLUDED AND DISCLAIMED.

**11. NO LIABILITY FOR TRADES.** ABSENT FRAUD OR WILLFUL MISCONDUCT BY MEMX ROUTING BD OR A CLAIM ARISING OUT OF MEMX ROUTING BD'S INDEMNIFICATION OBLIGATION, USER UNDERSTANDS AND AGREES THAT MEMX ROUTING BD IS NOT LIABLE UNDER THIS ROUTING AGREEMENT TO ANY PERSON (INCLUDING WITHOUT LIMITATION USER AND ANY PERSON FOR WHOM USER IS AUTHORIZED TO TRADE OR ACT) FOR THE FAILURE OF ANY PERSON ENTERING INTO A TRADE OR TRANSACTION BY MEANS OF EXCHANGE TO PERFORM SUCH PERSON'S SETTLEMENT OR OTHER OBLIGATIONS UNDER SUCH TRADE OR TRANSACTION. ABSENT FRAUD OR WILLFUL MISCONDUCT BY MEMX ROUTING BD OR A CLAIM ARISING OUT OF MEMX ROUTING BD'S INDEMNIFICATION OBLIGATION, NEITHER MEMX ROUTING BD, OR ITS AGENTS, AFFILIATES OR LICENSORS WILL BE LIABLE FOR ANY LOSSES, DAMAGES, OR OTHER CLAIMS, ARISING OUT OF THE ROUTING SERVICE OR ITS USE. ANY LOSSES, DAMAGES, OR OTHER CLAIMS, RELATED TO A FAILURE OF MEMX ROUTING BD TO DELIVER, DISPLAY, TRANSMIT, EXECUTE, COMPARE, SUBMIT FOR CLEARANCE AND SETTLEMENT, OR OTHERWISE PROCESS AN ORDER, MESSAGE, OR OTHER DATA ENTERED INTO, OR CREATED BY, EXCHANGE WILL BE ABSORBED BY USER OR THE MEMBER SPONSORING USER, THAT ENTERED THE ORDER, MESSAGE OR OTHER DATA INTO EXCHANGE. NOTWITHSTANDING THE FOREGOING, MEMX ROUTING BD AS A FACILITY OF THE EXCHANGE MAY BE LIABLE TO USER TO THE EXTENT SUCH LIABILITY ARISES BASED ON THE EXCHANGE RULE CURRENTLY NUMBERED 11.14 (LIMITATION OF LIABILITY), AS SUCH RULE MAY BE AMENDED OR RE-NUMBERED FROM TIME TO TIME.

**12. NO CONSEQUENTIAL DAMAGES.** ABSENT FRAUD OR WILLFUL MISCONDUCT BY MEMX ROUTING BD OR A CLAIM ARISING OUT OF MEMX ROUTING BD'S INDEMNIFICATION OBLIGATION, UNDER NO CIRCUMSTANCES WILL MEMX ROUTING BD OR ITS AGENTS, AFFILIATES OR LICENSORS BE LIABLE FOR ANY LOSS, DAMAGE, CLAIM OR EXPENSE, INCLUDING WITHOUT LIMITATION ANY DIRECT, CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE OR INCIDENTAL DAMAGES OR LOST PROFITS, WHETHER FORESEEABLE OR UNFORESEEABLE, BASED ON USER'S CLAIMS OR THE CLAIMS OF ITS CUSTOMERS, EMPLOYEES OR AGENTS (INCLUDING, BUT NOT LIMITED TO, CLAIMS FOR LOSS OF DATA, GOODWILL, USE OF MONEY OR USE OF ROUTING SERVICES, INTERRUPTION IN USE OR AVAILABILITY OF MEMX ROUTING BD, STOPPAGE OF OTHER WORK OR IMPAIRMENT OF OTHER ASSETS), ARISING OUT OF BREACH OR FAILURE OF EXPRESS OR IMPLIED WARRANTY, BREACH OF CONTRACT, MISREPRESENTATION, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE. THIS SECTION WILL NOT APPLY ONLY WHEN AND TO THE EXTENT THAT APPLICABLE LAW SPECIFICALLY REQUIRES LIABILITY, DESPITE THE FOREGOING EXCLUSION AND LIMITATION. NOTWITHSTANDING THE FOREGOING, MEMX ROUTING BD AS A FACILITY OF THE EXCHANGE MAY BE LIABLE TO USER TO THE EXTENT SUCH LIABILITY ARISES BASED ON THE EXCHANGE RULE CURRENTLY NUMBERED 11.14 (LIMITATION OF LIABILITY), AS SUCH RULE MAY BE AMENDED OR RE-NUMBERED FROM TIME TO TIME.

**13. Assignment.** User shall not assign, delegate or otherwise transfer this Routing Agreement or any of its rights or obligations hereunder without MEMX Routing BD's prior approval, which will not be unreasonably withheld. MEMX Routing BD may, as permitted by the Act, assign or transfer this Routing Agreement or any of its rights or obligations hereunder to a related or unrelated party upon notice to User.

**14. Force Majeure.** Notwithstanding any other term or condition of this Routing Agreement to the contrary, neither MEMX Routing BD nor User will be obligated to perform or observe their obligations undertaken in this Routing Agreement if prevented or hindered from doing so by any circumstances found to be beyond their control.

**15. Arbitration.** In connection with the following agreement to arbitrate, each party understands that: (i) arbitration is final and binding on the parties; (ii) the parties are waiving their right to seek remedies in court, including the right to jury trial; (iii) pre-arbitration discovery is generally more limited than and different from court proceedings; (iv) the arbitrators' award is not required to include factual findings or legal reasoning, and any party's right to appeal or seek modification of

rulings by the arbitrators is strictly limited; and (v) the panel of arbitrators will typically include a minority of arbitrators who were or are affiliated with the securities industry. Subject to the preceding disclosures, each party agrees that any controversy arising out of or relating to this Routing Agreement or the breach thereof will be resolved and settled by arbitration under the auspices of FINRA Dispute Resolution or in accordance with such other rules and procedures as are agreed to by the parties. The arbitration proceeding shall be conducted in New York, New York, unless otherwise agreed to by the parties. Judgment upon arbitration may be entered in any court, state or federal, having jurisdiction; provided, however, that nothing herein will prevent either party from: (i) petitioning a regulatory body regarding a matter in question over which the regulatory body has administrative jurisdiction; or (ii) pursuing injunctions before any administrative or judicial forum provided that all monetary and other relief is submitted for arbitration.

**16. Amendment.** MEMX Routing BD, or Exchange on its behalf, may amend any term or condition of this Routing Agreement on one hundred and twenty (120) days' written notice to User (which notice may be provided by way of a circular issued to Members of the Exchange generally). User may object in writing to the proposed amendment by providing a written response to the address specified above, such response stating in reasonable detail the basis of the objection. Such response shall be received no later than sixty (60) days after the date that Exchange distributed the initial notice. MEMX Routing BD, or Exchange on its behalf, will respond to User's timely objection in writing within thirty (30) days of receipt and will use reasonable efforts thereafter to meet with the objecting User (in person or by phone) to discuss in good faith any potential resolution. Otherwise, any use by User of the routing services provided by MEMX Routing BD after the expiration of the one hundred and twenty (120) day notice period shall be deemed acceptance by User of the amendment. User may not alter any terms and conditions of this Routing Agreement, and no modification to this Routing Agreement proposed by User will be binding, unless in writing and manually signed by an authorized representative of each party.

**17. Miscellaneous.** All notices or approvals required or permitted under this Routing Agreement must be given in writing to MEMX Routing BD at its principal office address or to User at its last reported principal office address. Any waiver or modification of this Routing Agreement will not be effective unless executed in writing and signed by the other party. This Routing Agreement will bind each party's successors-in-interest. This Routing Agreement will be governed by and interpreted in accordance with the internal laws of the State of New York, USA. For all matters not subject to Section 15 (Arbitration) above, both parties submit to the jurisdiction of the state and federal courts in and for the State of New York, USA for the resolution of any dispute arising under this Routing Agreement. If any provision of this Routing Agreement is held to be unenforceable, in whole or in part, such holding will not affect the validity of the other provisions of this Routing Agreement. This Routing Agreement, together with the applicable Exchange Rules, constitutes the complete and entire statement of all conditions and representations of the agreement between MEMX Routing BD and User with respect to its subject matter and supersedes all prior writings or understandings.

**IN WITNESS WHEREOF** the parties hereto have caused this Routing Agreement to be executed by their duly authorized officers.

User/Member: \_\_\_\_\_

MEMX Execution Services LLC

User/Sponsored Participant: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title \_\_\_\_\_

Date: \_\_\_\_\_