OMB Control No. 0693-0072 Expiration Date: 4/30/2024

APPENDIX A COVER SHEET

Application to National Institute of Standards and Technology (NIST) Small Business Innovation Research (SBIR) Program Phase II 2024-NIST-SBIR-02 (Date April 1, 2024) **Cover Sheet** Name & Address of Submitting Firm: **Project Title Principal Investigator PI Title** (PI) Name PI Phone # PI Email NIST may verify the following responses with information provided elsewhere in your application or by independent sources. THE APPLICANT CERTIFIES THAT: It is a small business concern (SBC) and meets the definition as stated in this Notice of ☐ No ☐ Yes Funding Opportunity (NOFO). The primary employment of the PI will be with the SBC at the time of award and ☐ Yes ☐ No during the conduct of research. A minimum of either two-thirds for Phase I or one-half for Phase II of the research will be □ No performed by the SBC as determined by data provided in the Budget Narrative. See NOFO Section **1.03.01** for details on funding determination. 4. The applicant and/or PI □ has □ has not submitted applications for essentially equivalent work under other Federal program FFOs and \square has \square has not received other Federal awards for essentially equivalent work. If "has", what agency? Click here to enter text. See NOFO Section 3.02.02(14) for additional details that must be provided. The applicant qualifies as a socially and economically disadvantaged SBC and meets ☐ Yes the definition as stated in this NOFO. The applicant qualifies as a woman-owned SBC and meets the definition as stated in this ☐ Yes □ No NOFO. The applicant qualifies as a HUBZone-owned SBC and meets the SBA's □ Yes ☐ No definition(see http://www.sba.gov/hubzone). 8. Year SBC founded: Click here to enter text. 9. Number of Employees: Click here to enter text. STATEMENTS: 10. The applicant will permit the Federal Government to disclose name, address, and telephone ☐ Yes ☐ No number of the corporate official of your concern, if your application does not result in an

Page 73 of 86
FY 2024 NIST SMALL BUSINESS INNOVATION RESEARCH PROGRAM PHASE II
NOTICE OF FUNDING OPPORTUNITY No. 2024-NIST-SBIR-02
April 1, 2024

award, to appropriate local and State-level economic development organizations that may

be interested in contacting you for further information.

11. The applicant authorizes contact information and project title to be provided to the NIST Manufacturing Extension Partnership (MEP) after awards have been announced. If 'Yes' your contact information will be provided to NIST MEP. If so, you will be contacted by your local MEP to explore business-related support services that could benefit the potential of the project you proposed.		□ Yes □ No
Signature of Company Official and typed name, title, address, telephone number, and date		
Signature of Principal Investigator and typed name, title, address, telephone number, and date		
TECHNICAL ABSTRACT (limit to 200 words):		
POTENTIAL COMMERCIAL APPLICATION OF THE	RESEARCH: (limit to 100 words)	
OTHER INFORMATION:		
	ns will remain the preparty of the applicant. The Enderal (Covernment may however retain
copies of all applications. Public release of inforr requirements. Applicants are discouraged from s evaluation of the application. If proprietary infor commercial or financial information, confidentia	ns will remain the property of the applicant. The Federal C nation in any application submitted will be subject to exist submitting proprietary information unless the information mation provided by an applicant in a proposal constitutes I personal information, or data affecting national security, proposal is clearly marked by the applicant as follows:	ting statutory and regulatory is deemed essential for proper s trade secret, proprietary
(A) The following legend must appear on the title page of the proposal:		
in whole or in part for any purpose other than eduplicate, use, or disclose the data to the extent	be disclosed outside the Federal Government and shall no valuation of this proposal, unless authorized by law. The Government is made as a resuctions are contained on all pages of the proposal except for information.]	Government shall have the right to ult of the submission of this
(End of Legend); and		
(B) The following legend must appear on each	page of the proposal that contains information the applica	ant wishes to protect:
Use or disclosure of information contained on this sheet is subject to the restriction on the title page of this proposal.		
The use of any other legend is unacceptable to the Government and may constitute grounds for removing the application from further consideration without assuming any liability for inadvertent disclosure.		

This collection of information contains Paperwork Reduction Act (PRA) requirements approved by the Office of Management and Budget (OMB). Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the PRA unless that collection of information displays a currently valid OMB control number. Public reporting burden for this collection is estimated to be 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. Send comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden, to the National Institute of Standards and Technology, Attn: Jacqueline Gray, 100 Bureau Dr., MS 2200, Gaithersburg, MD 20899.

Page 74 of 86

FY 2024 NIST SMALL BUSINESS INNOVATION RESEARCH PROGRAM PHASE II NOTICE OF FUNDING OPPORTUNITY No. 2024-NIST-SBIR-02 April 1, 2024