Appendix A. COVER SHEET

(A fillable version of the Cover Sheet is available at http://www.nist.gov/sbir)

Application to National Institute of Standards and Technology (NIST)
Small Business Innovation Research (SBIR) Program Phase II
2022-NIST-SBIR-02 (June 17, 2022)
Cover Sheet

<table>
<thead>
<tr>
<th>Name &amp; Address of Submitting Firm:</th>
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<th>Project Title</th>
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<tr>
<th>Principal Investigator (PI) Name</th>
<th>PI Title</th>
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<th>PI Phone #</th>
<th>PI E-mail</th>
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NIST may verify the following responses with information provided elsewhere in your application or by independent sources.

**THE APPLICANT CERTIFIES THAT:**

1. It is a small business concern (SBC) and meets the definition as stated in this Notice of Funding Opportunity (NOFO). ☐ Yes ☐ No

2. The primary employment of the PI will be with the SBC at the time of award and during the conduct of research. ☐ Yes ☐ No

3. A minimum of either two-thirds for Phase I or one-half for Phase II of the research will be performed by the SBC as determined by data provided in the Budget Narrative. See NOFO Section 1.03.01 for details on funding determination. ☐ Yes ☐ No

4. The applicant and/or PI ☐ has / ☐ has not submitted applications for essentially equivalent work under other Federal programs and ☐ has / ☐ 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. ☐ Yes ☐ No

5. The applicant qualifies as a socially and economically disadvantaged SBC and meets the definition as stated in this NOFO. ☐ Yes ☐ No

6. The applicant qualifies as a woman-owned SBC and meets the definition as stated in this NOFO. ☐ Yes ☐ No

7. The applicant qualifies as a HUBZone-owned SBC and meets the SBA’s definition (see http://www.sba.gov/hubzone). ☐ Yes ☐ No

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 number of the corporate official of your concern, if your application does not result in an award, to appropriate local and State-level economic development organizations that may be interested in contacting you for further information. ☐ Yes ☐ No

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

FY 2022 NIST Small Business Innovation Research Program Phase II
Notice of Funding Opportunity
May 3, 2022
Signature of Company Official
and typed name, title, address,
television 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:
Information contained in unsuccessful applications will remain the property of the applicant. The Federal Government may, however, retain
copies of all applications. Public release of information in any application submitted will be subject to existing statutory and regulatory
requirements. Applicants are discouraged from submitting proprietary information unless the information is deemed essential for proper
evaluation of the application. If proprietary information provided by an applicant in a proposal constitutes trade secret, proprietary
commercial or financial information, confidential personal information, or data affecting national security, it will be treated in confidence to
the extent permitted by law, provided that the proposal is clearly marked by the applicant as follows:

(A) The following legend must appear on the title page of the proposal:

This proposal contains information that shall not be disclosed outside the Federal Government and shall not be duplicated, used, or
disclosed in whole or in part for any purpose other than evaluation of this proposal, unless authorized by law. The Government shall have
the right to duplicate, use, or disclose the data to the extent provided in the resulting award if award is made as a result of the
submission of this proposal. The information subject to these restrictions are contained on all pages of the proposal except for pages
[insert page number or other identification of pages that contain no restricted information.]

(End of Legend); and

(B) The following legend must appear on each page of the proposal that contains information the applicant 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
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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.

OMB Control No. 0693-0072
Expiration Date: 1/31/2024

FY 2022 NIST Small Business Innovation Research Program Phase II
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May 3, 2022