

NASA Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Program Customer Experience Survey

1. Introduction

The following survey aims to gather customer experience feedback from companies and research institutions that have participated or want to participate in the NASA SBIR/STTR program. This survey will cover all phases of the NASA SBIR/STTR program. The survey only displays questions that are relevant based on your experience with the NASA SBIR/STTR program.

Please read each survey question carefully to understand the specific phase of the NASA SBIR/STTR program of interest in each section. As you complete this survey, please think about your interactions with the NASA SBIR/STTR program that occurred in the last 3 years.

This information collection meets the requirements of 44 U.S.C. 3507, as amended by Section 2 of the Paperwork Reduction Act of 1995. The OMB Control Number for this information collection is 2700-0181 and it expires on November 30, 2023. We estimate this survey will take between 5 and 40 minutes depending on the depth of involvement with the NASA SBIR/STTR program. You may send comments on our time estimates to arc-sbir-pmo@nasa.gov.

Section 1: General NASA SBIR/STTR

Section 1 Description: The following questions will assess your general awareness and experience with the NASA SBIR/STTR program.

- 1) How did you first learn about the NASA SBIR/STTR program? Select all that apply
 - a) Advertisement
 - b) Event
 - c) Partner
 - d) Web
 - e) Word of Mouth
 - f) Other (open text box)
 - g) N/A

- 2) What interested you or currently interests you in participating in the NASA SBIR/STTR program? Select all that apply
 - a) Funding
 - b) Ability to support NASA's mission
 - c) Opportunity to develop technology
 - d) Access to the NASA resources (ex. people, technology, flight testing, etc.)
 - e) Networking opportunities
 - f) Other (open text field)
 - g) N/A

- 3) What other NASA SBIR/STTR services would you find helpful?

Open Text Field

- 4) If in the last 3 years you have chosen NOT to submit a **SBIR/STTR Phase I** proposal, please explain why.

Open Text Field

- 5) What support would help you submit a NASA **SBIR/STTR Phase I** proposal?

Open Text Field

- 6) Are you aware that **Phase III** contracts can be awarded following a Phase I being awarded (not even completed)?

Yes

No

Section 2: NASA SBIR Phase I

Section 2 Description: The following questions will assess your experience and collect suggested improvements to the NASA **SBIR Phase I** process, covering the proposal process through the completion of an award. This section is specific to **SBIR** Phase I, subsequent sections in this survey will address STTR Phase I. Please provide responses based on your experiences in the last 3 years, unless otherwise noted.

- 1) Have you submitted a NASA **SBIR Phase I** proposal in the last 3 years?
- a) Yes. (Question logic: If yes complete all questions in this section)
 - b) No. (Question logic: If no, skip to section 3)
- 2) The following statements will assess your experience with the NASA **SBIR Phase I proposal process**. *Please answer the following statements from the perspective of your most recent SBIR Phase I proposal within the last 3 years:*

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The SBIR Phase I proposal process was clear
 - b) I had all the information I needed to submit my SBIR Phase I proposal
 - c) The SBIR Phase I financial award of \$125,000 was worth the effort of submitting a proposal
 - d) I had sufficient time to complete my SBIR Phase I submission
- 3) If you have received an SBIR Phase I award, the following statements will assess your experience upon **completing performance** of your NASA SBIR Phase I award. *Please answer the following statements from the perspective of your most recently completed SBIR Phase I award within the last 3 years:*

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The SBIR Phase I financial award of \$125,000 was sufficient to establish the merit of my concept
 - b) The SBIR Phase I timeline was sufficient to establish the merit of my concept
 - c) I had a clear customer/market in mind at the start of my SBIR Phase I award
 - d) The SBIR Phase I process sufficiently prepared me to submit a proposal for SBIR Phase II
- 4) What is the most impactful improvement that the NASA SBIR/STTR program could make to improve the **SBIR Phase I** process?
Open text field
- 5) In total, how many **SBIR Phase I** awards has your company received from NASA?
open text [whole number validation]
- 6) Have you participated in the I-Corps program?
Yes
No
- 7) If you participated in the I-Corps program, please rate how beneficial it was?
5-point rating scale with end labels of “Not beneficial at all” (rating =1) and “Extremely Beneficial” (rating =5) N/A

Section 3: NASA STTR Phase I

Section 3 Description: The following questions will assess your experience and collect suggested improvements to the NASA **STTR Phase I** process, covering the proposal process through the completion of an award. This section refers specifically to those who have received **STTR** Phase I awards as part of a partnership between a small business and a research institution. Please provide responses based on your experiences in the last 3 years, unless otherwise noted.

- 1) Have you submitted a NASA **STTR Phase I** Proposal in the last 3 years?
- a) Yes. (Question logic: If yes complete all questions in this section)
 - b) No. (Question logic: If no, skip to section 4)
- 2) The following statements will assess your experience with the NASA **STTR Phase I proposal process**. *Please answer the following statements from the perspective of your most recent STTR Phase I proposal within the last 3 years:*
- (5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A
- a) The STTR Phase I proposal process was clear
 - b) I had all the information I needed to submit my STTR Phase I proposal
 - c) The STTR Phase I financial award of \$125,000 was worth the effort of submitting a proposal

- d) I had sufficient time to complete my STTR Phase I submission
 - e) The timing of the STTR Phase I solicitation aligned with Research Institutions' (RI) schedules to allow me to complete my submission
 - f) I had sufficient time to coordinate with my Small Business/RI partner to complete the STTR Phase I submission.
- 3) If you have received an STTR Phase I award, the following statements will assess your experience upon **completing performance** of your NASA STTR Phase I award. *Please answer the following statements from the perspective of your most recently completed STTR Phase I award within the last 3 years:*

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The STTR Phase I financial award of \$125,000 was sufficient to establish the merit of my concept
 - b) The STTR Phase I timeline was sufficient to establish the merit of my concept
 - c) I had a clear customer/market in mind at the start of my STTR Phase I award
 - d) The STTR Phase I process sufficiently prepared me to submit a proposal for STTR Phase II
 - e) Coordinating funding with the Small Business/RI in developing the technology was easy
 - f) Coordinating scheduling with the Small Business/RI in developing the technology was easy
- 4) What is the most impactful improvement that the NASA SBIR/STTR Program could make to improve the **STTR Phase I process**?
Open text field
- 5) In total, how many **STTR Phase I** awards has your company or research institution received from NASA?
open text [whole number validation]
- 6) Have you participated in the I-Corps program?
Yes
No
- 8) If you participated in the I-Corps program, please rate how beneficial it was?
5 point rating scale with end labels of "Not beneficial at all" (rating =1) and "Extremely Beneficial" (rating =5) or N/A

Section 4: NASA SBIR Phase II

Section 4 Description: The following questions will assess your experience and collect suggested improvements to the NASA **SBIR Phase II** process, starting from submitting your

proposal through the completion of the award. This section is specific to **SBIR** Phase II, subsequent sections in this survey will address **STTR** Phase II. Please provide responses based on your experiences in the last 3 years, unless otherwise noted.

- 1) Have you submitted a NASA **SBIR Phase II** Proposal in the last 3 years?
 - a) Yes. (Question logic: If yes, complete all remaining questions in section 4)
 - b) No. (Question logic: If no, skip to question 6 then move to Section 5)

- 2) The following statements will assess your experience with the NASA **SBIR Phase II proposal process**. *Please answer the following statements from the perspective of your most recent SBIR Phase II proposal within the last 3 years:*

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The SBIR Phase II proposal process was clear
 - b) I had the information I needed to submit my SBIR Phase II proposal
 - c) The SBIR Phase II financial award of \$750,000 was worth the effort of submitting a proposal
 - d) The SBIR Phase II timeline for submission was appropriate
 - e) I had the support I needed from NASA to submit a SBIR Phase II proposal
- 3) If you have received a SBIR Phase II award, the following statements will assess your experience upon **completing performance** of your NASA SBIR Phase II award. *Please answer the following statements from the perspective of your most recently completed SBIR Phase II award within the last 3 years:*

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The SBIR Phase II financial award of \$750,000 was sufficient to create a prototype or deliver on my concept
- b) The SBIR Phase II timeline was sufficient to create a prototype or deliver on my concept
- c) I had a clear customer/market in mind at the start of my SBIR Phase II award
- d) I understood the SBIR Post Phase II award vehicles available to further advance my technology

- 4) What is the most impactful improvement that the NASA SBIR/STTR Program could make to improve the **SBIR Phase II process**?

Open text field

- 5) In total, how many **SBIR Phase II** awards has your company received from NASA?
open text [whole number validation]

- 6) If you had the option to pursue a NASA **SBIR Phase II award** at any point in the last

3 years but chose NOT to pursue it, please mark all the reasons that apply:

- a) My SBIR Phase I didn't develop as anticipated
- b) I didn't understand the customer well enough to pursue my concept further
- c) I didn't see a viable commercial market worth exploring for my concept
- d) The SBIR Phase I didn't provide enough time to establish the merit of my concept
- e) The SBIR Phase I didn't provide enough resources to establish the merit of my concept
- f) Competing business concerns prevented me from completing the SBIR Phase II application process
- g) *Other (open text field)*
- h) N/A

Section 5: NASA STTR Phase II

Section 5 Description: The following questions will assess your experience and collect suggested improvements to the NASA **STTR Phase II** process, from submitting your proposal through the completion of the award. This section refers specifically to those who have received a **STTR Phase II** award as part of a partnership between a small business and a research institution. Please provide responses based on your experiences in the last 3 years, unless otherwise noted.

- 1) Have you submitted a NASA **STTR Phase II** Proposal in the last 3 years?
 - a) Yes. (Question Logic: If yes, If yes, complete all remaining questions in section 5)
 - b) No. (Question Logic: If no, skip to question 6 then move to Section 6)
- 2) The following statements will assess your experience with the NASA **STTR Phase II proposal process**. *Please answer the following statements from the perspective of your most recent STTR Phase II proposal within the last 3 years:*

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The STTR Phase II proposal process was clear
 - b) I had all the information I needed to submit my STTR Phase II proposal
 - c) The STTR Phase II financial award of \$750,000 was worth the effort of submitting a proposal
 - d) I had sufficient time to complete my STTR Phase II submission
 - e) I had the support I needed from NASA to move to STTR Phase II
 - f) I had sufficient time to coordinate with my Small Business/RI partner to complete the STTR Phase II submission.
- 3) If you have received a STTR Phase II award, the following statements will assess your experience upon **completing performance** of your NASA STTR Phase II award. *Please answer the following statements from the perspective of your most recently completed STTR Phase II award within the last 3 years:*

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The STTR Phase II financial award of \$750,000 was sufficient to create a prototype or deliver on my concept
 - b) The STTR Phase II timeline was sufficient to create a prototype or deliver on my concept
 - c) I had a clear customer/market in mind at the start of my STTR Phase II award
 - d) I understood the STTR Post Phase II award vehicles available to further advance my technology
 - e) Coordinating funding with the Small Business/RI in developing the technology was easy
 - f) Coordinating scheduling with the Small Business/RI in developing the technology was easy
- 4) What is the most impactful improvement that the NASA SBIR/STTR Program could make to improve the **STTR Phase II process**?
Open text field
- 5) In total, how many **STTR Phase II** awards has your company or research institution received from NASA?
open text [whole number validation]
- 6) If you had the option to pursue a NASA **STTR Phase II award** at any point in the last 3 years but chose NOT to pursue it, please mark all the reasons that apply:
- a) My STTR Phase I didn't develop as anticipated
 - b) I didn't understand the customer well enough to pursue my concept further
 - c) I didn't see a viable commercial market worth exploring for my concept
 - d) The STTR Phase I didn't provide enough time to establish the merit of my concept
 - e) The STTR Phase I didn't provide enough resources to establish the merit of my concept
- Competing business/institutional concerns prevented me from completing the STTR Phase II application process
- f) The partnership with the Small Business/Research Institute (RI) ended
 - g) *Other (open text field)*
 - h) N/A

Section 6: NASA SBIR/STTR Post Phase II

Section 6 Description: The following questions will assess your experience and collect suggested improvements to the NASA **SBIR/STTR Post Phase II** process. Post Phase II includes Phase II contract option mechanism(s), such as Phase II-E, Civilian Commercialization Readiness Pilot Program (CCRPP), or Sequential Phase II awards. Phase III questions will be included in a separate section. This section is asking for your feedback

to Post Phase II mechanisms, regardless if it is associated with a SBIR or STTR award. Please provide responses based on your experiences in the last 3 years, unless otherwise noted.

- 1) Have you pursued a NASA **SBIR/STTR Post Phase II** Award in the last 3 years?
 - a) Yes. (Question Logic: If yes, complete all remaining questions in section 7)
 - b) No. (Question Logic: If no, skip to question 7 and 8 then move to Section 7)

- 2) The following statements will assess your experience with the **NASA SBIR Post Phase II proposal process**. *Please answer the following statements from the perspective of your most recent Post Phase II proposal within the last 3 years:*

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The Post Phase II proposal process was clear
- b) I had all the information I needed to submit my Post Phase II proposal
- c) The Post Phase II financial award was worth the effort of submitting a proposal
- d) The Post Phase II timeline for submission was appropriate
- e) The requirements of the investment letter of commitment were manageable to my investor
- f) The requirements of the investment letter of commitment were manageable to me

- 3) If you have received a SBIR/STTR Phase II Option award, the following statements will assess your experience upon **completing performance** of your NASA **SBIR/STTR Phase II Option award** (such as Phase II-E). *Please answer the following statements from the perspective of your most recently completed Phase II Option award within the last 3 years:*

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The Phase II Option financial award was sufficient to advance my technology enough to attract additional funding for further development
- b) The additional timeline of the Phase II Option award was sufficient to advance my technology enough to attract additional funding for further development
- c) The Phase II Option financial award was sufficient to advance my technology to achieve commercialization or infusion by a NASA/government customer
- d) The additional timeline of the Phase II Option award was sufficient to advance my technology to achieve commercialization or infusion by a NASA/government customer
- e) The contract negotiation phase, including providing proof of investor funds, was easy

4) If you have received a SBIR/STTR CCRPP award, the following statements will assess your experience upon **completing performance** of your NASA SBIR/STTR **CCRPP Post Phase II award**. Please answer the following statements from the perspective of your most recently completed CCRPP Post Phase II award within the last 3 years:

(5-point Likert scale) (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree) or N/A

- a) The CCRPP financial award was sufficient to advance my technology to attract additional funding for further development
- b) The additional timeline of the CCRPP award was sufficient to advance my technology to attract additional funding for further development
- c) The CCRPP financial award was sufficient to advance my technology for commercialization or infusion by a NASA/government customer
- d) The additional timeline of the CCRPP award was sufficient to advance my technology for commercialization or infusion by a NASA/government customer
- e) The contract negotiation phase, including providing proof of investor funds, was easy

5) What is the most impactful improvement that the NASA SBIR/STTR program could make to improve the **Post Phase II process**?

Open text field

6) In total, how many **SBIR/STTR Post Phase II** awards has your company or Research Institution received from NASA? This includes prior Post Phase II contract options (such as Phase II-E), CCRPP, and/or Sequential Phase II awards. This ***does not*** include Phase III awards.

open text [whole number validation]

7) If you had the option to pursue a NASA SBIR/STTR **Phase II-E award** at any point in the last 3 years but chose NOT to pursue it, please mark all the reasons to apply:

- a) I was not aware of the Post Phase II contract option mechanism(s), such as Phase II-E
- b) I was unable to identify pertinent investors
- c) I was unable to attract sufficient investment due to the level of technical development progress in the Phase II contract
- d) Timing of the contract option application period did not allow me to complete my application
- e) *Other (open text field)*
- f) N/A

8) If you had the option to pursue a NASA SBIR/STTR **Civilian Commercialization**

Readiness Pilot Program (CCRPP) award at any point in the last 3 years but chose NOT to pursue it, please mark all the reasons that apply:

- a) I was not aware of CCRPP
- b) I was unable to identify pertinent investors
- c) I was unable to attract sufficient investment due to the level of technical development progress prior to the CCRPP application period
- d) Timing of the CCRPP application period did not allow me to complete my application
- e) I was unable to apply for the CCRPP mechanism as I was no longer eligible (no longer a small business)
- f) *Other (open text field)*
- g) N/A

Section 7: Phase III

Section 7 Description: The following questions will assess your experience and knowledge with NASA **SBIR/STTR Phase III** process. This section is asking for your feedback to Phase III, regardless if it is associated with a SBIR or STTR award. Please provide responses based on your experiences in the last 3 years, unless otherwise noted.

- 1) Have you ever been awarded a NASA SBIR/STTR **Phase III** contract?
 - a) Yes. (Question Logic: If yes – complete all question in this section)
 - b) No. (Question Logic: If no – skip to question 10 than move to section 8)

- 2) In total, how many SBIR/STTR **Phase III** awards has your company or research institution received from NASA?
open text [whole number validation]

- 3) Has your company received a **Phase III** award from another government agency based on your NASA SBIR/STTR award?
Yes
No
I don't know

- 4) Has your company received a NASA **Phase III** award based on a SBIR/STTR award from another government agency?
Yes
No
I don't have an SBIR/STTR award from another government agency
I don't know

- 5) How would you rate the contracting process associated with the **NASA Phase III** award?
 - a) The process was very difficult
 - b) The process was difficult
 - c) The process was neither easy nor difficult
 - d) The process was easy

- e) The process was very easy
 - f) N/A
- 6) How would you rate the contract management process associated with executing the **NASA Phase III** work?
- a) The process was very difficult
 - b) The process was difficult
 - c) The process was neither easy nor difficult
 - d) The process was easy
 - e) The process was very easy
 - f) N/A
- 7) How many **Phase III** awards has your company or research institution received total across all other government agencies?
open text [whole number validation]

Section 9: Demographic Information

Section 9 Description: The following questions will gather demographic information about the company you represent.

- 1) Do you work at a Research Institution?
 - a) Yes, (Question Logic: If yes – continue to the RI demographic question section.
 - b) No, (Question Logic: skip to small business demographics filter question)

Research Institution Demographic Questions

- 1) What is your title within the research institution?
Open Text Field [space limit of 50 characters]
- 2) In what state or U.S. Territory do you work?
Drop down list of states
- 3) How many **STTR Phase I** awards has your institution received total across all other government agencies?
open text [whole number validation]
- 4) How many **STTR Phase II** awards has your institution received total across all other government agencies?
open text [whole number validation]
- 5) How many **STTR Post Phase II** awards has your institution received total across all other government agencies?
open text [whole number validation]
- 6) My organizations minority serving institution category is:
 - a) Historically Black College and University (HBCU)
 - b) Tribal Colleges or Universities (TCU)

- c) Asian American, Native America, Pacific Islander -Serving Institution (AANAPI-SI)
- d) Alaska Native and Native Hawaiian – Serving Institution (ANNH-SI)
- e) Hispanic-Serving Institution (HSI)
- f) Native American Serving Non-Tribal Institution (NASNTI)
- g) Predominantly Black Institutions (PBI)
- h) N/A

Small Business Demo Filter Question:

- 2) Do you work at a Small Business?
 - a) Yes, (Question Logic: If yes – move to SBC demographic question.
 - b) No, (Question Logic: If no, go to last open ended organization question)

Small Business Demographic Questions

- 1) What is your title within the company?
Open Text Field [space limit of 50 characters]
- 2) Number of employees in your company:
open text field [whole number validation]
- 3) Years incorporated
open text field [whole number validation]
- 4) In what state or U.S. Territory do you work?
Drop down list of states
- 5) How many **SBIR Phase I** awards has your company received total across all other government agencies?
open text [whole number validation]
- 6) How many **SBIR Phase II** awards has your company you received total across all other government agencies?
open text [whole number validation]
- 7) How many **SBIR Post Phase II** awards has your company you received total across all other government agencies?
open text [whole number validation]
- 8) How many **STTR Phase I** awards has your company received total across all other government agencies?
open text [whole number validation]
- 9) How many **STTR Phase II** awards has your company received total across all other government agencies?
open text [whole number validation]

10) How many **STTR Post Phase II** awards has your company received total across all other government agencies?

open text [whole number validation]

11) My company's certified socio-economic category is (select all that apply):

- a) Women-owned
- b) Veteran-owned
- c) HUB Zone-owned
- d) Service-Disabled Veteran-owned
- e) Minority-owned
- f) N/A

Last open-ended organization questions (people should only see this if they answered no to both the research institution filter question and the small business filter question)

3) What type of organization do you represent?

Open Text Field