



AFWERX
ADVENTURES

CUSTOMER MEMORANDUM

For Reference Only – DO NOT SIGN.

An authorized version will be posted ahead of the next Phase II solicitation.



DEPARTMENT OF THE AIR FORCE

DATE

NOTE: As DOD and DAF priorities, programming, and requirements evolve – and as government and industry partner feedback is received – the Open Topic tools and forms needed to support those efforts continue to be refined. As such, this Customer Memorandum is subject to updates each solicitation cycle. **It is important that you use the most recent version of this form when you submit your proposal.** While it is acceptable to share older versions with your TPOC, Customer, and End-User, so they can see the type of document they will be signing, you must wait to ask for signatures until the solicitation-specific version is released. Please make sure the solicitation number in the header above corresponds to the solicitation to which you are responding. This will ensure you have the latest (and only acceptable) version of the Customer Memorandum.

OPEN TOPIC CUSTOMER MEMORANDUM

► See page 18 for Form Instructions

References:

- a. 15 U.S.C. §638
- b. Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Program Policy Directive (Oct 2020)
- c. 5 C.F.R. §2635.702(c), Exception (1)

FROM:

(DAF CUSTOMER ORGANIZATION)

The organization responsible for procuring the solution for the end user.
They support the acquisition/fielding of the capability.

(DAF END-USER ORGANIZATION)

The operational user of the solution being prototyped.
They should be the ones directly benefiting from the solution.

SUBJECT: AFRL/RGV Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) Phase II – DAF Organization Defense Need and Participation Interest in the SBIR/STTR Program under (TOPIC*) with (SBIR/STTR COMPANY)

1. PURPOSE

This memorandum is executed in furtherance of references (a) and (b) and the applicable Air Force SBIR/STTR solicitation, which constitute authority to promote products, services, and enterprises within the meaning of reference (c). The purpose of this memorandum is to document interest from a Department of the Air Force organization(s) in working with AFWERX and an open topic SBIR/STTR Phase II awardee on a proposed Phase II effort. **See page 18 for form instructions.**



2. DEFENSE MISSION NEED

(DAF CUSTOMER ORGANIZATION)

has a national Defense-related mission need in the area of (AREA OF INTEREST), specifically (DESCRIBE MISSION NEED)



2. DEFENSE MISSION NEED (CONTINUED)

We believe this solution supports the following Operational Imperatives:

Space Order of Battle

Operationally Focused ABMS

Moving Target Engagement

Tactical Air Dominance

Resilient Basing

Global Strike

Readiness to Deploy and Fight



2. DEFENSE MISSION NEED (CONTINUED)

Indicate how your firm believes the technology development under this effort could contribute to future mission-need fulfillment. Describe the mission impact of this project on the DAF and DoD below.

(NOTE: fill in just the US Air Force section, just the US Space Force section, or both, depending on which is appropriate. If BOTH are appropriate, then a separate justification is needed for each. This is critical in determining which funding appropriation may be allowable).

US Air Force mission-need fulfillment: [\(IMPACT STATEMENTS\)](#)

US Space Force mission-need fulfillment: [\(IMPACT STATEMENTS\)](#)



2. DEFENSE MISSION NEED (CONTINUED)

The main goals of our involvement in this project are: **(NOTE: Describe only as many measurable goals as are required. If you wish to describe more than five measurable goals, please continue on a separate document and submit it with this memorandum. If applicant believes Defense Mission Need is applicable to both AF and SF, indicate as such so that the Government may determine the appropriate appropriation to fund.)**

(MEASURABLE GOAL 1)

(MEASURABLE GOAL 2)



(MEASURABLE GOAL 3)

(MEASURABLE GOAL 4)

(MEASURABLE GOAL 5)



3. PROJECT TIMELINE

If this SBIR/STTR Phase II proposal is selected and awarded, we expect this project to be executed from _____ to _____. **(NOTE: Review the solicitation to identify your start date and designated period of performance. Identify whether you intend for your project to be completed in a shorter timeframe than specified in the solicitation.)**

4. ²PHASE II FUNDING COMMITMENT

Has non-SBIR/STTR Government funding been secured?

No (If **No** is selected, please enter N/A into the next five fields.)

Yes (If **Yes**, complete the following fields. This commitment does not constitute an obligation and is subject to funds availability at the time of contract execution.)

³ If a Phase II award is executed, (DOD/DAF PARTNER FULL NAME) will provide (AMOUNT AND TYPE OF FUNDS) non-SBIR/STTR Government funds. (DAF PARTNER FINANCE OFFICE SYMBOL) concurs with this funding type's use and verifies funds availability. This commitment does not constitute an obligation and is subject to funds availability at the time of contract execution.

(DOD/DAF PARTNER)

(MAJCOM/FIELDCOM/DRU)

(OFFICE SYMBOL)

will submit DRAFT funding documents (Form 9s/MIPRs) within 45 days of the solicitation closing. If the Phase I company is not selected for Phase II award, the funds will be returned to the providing DAF organization. Once selection letters have been sent, CERTIFIED funding documents from the partner organization are due within five business days. If certified funding documents are not provided by the due date, the effort will move forward without consideration of the Phase II funding commitment.

5. ADDITIONAL AGREEMENT

Prior to and/or following award, if necessary for project success, the Technical POC (TPOC) will consult with Air Force SBIR/STTR Legal, Contracting, and Program Office personnel to formalize cooperation in the manner protecting the Government's interests.



1. Prior to award, determine if the proposed effort will require specific clauses or other special features to accommodate the work to be performed. This could include program elements such as Government-Furnished Equipment/Information (GFE/I), use of Government facilities for testing or demonstration, use of Government-provided licenses, environment considerations, etc.
2. After award, if assistance is necessary, request guidance to award a Phase III contract or other appropriate agreement for transition to an identified Defense mission need.

6. PHASE III INTEREST

Further, if the Phase II project is successful and the DAF determines it has an interest in work that furthers, extends, or completes the work under the Phase I or Phase II, the partner will consider transitioning the resulting innovations to Phase III contracts, subcontracts, or other instruments with other DAF and/or Federal customers. The transition effort will give due regard to the Phase III transition preference for SBIR/STTR funded technologies set forth in references (a) and (b). Phase IIIs are subject to Government organizations' acquisition planning, funds availability, security assessments, and Small Business/Legal/Contracting/other review requirements. This paragraph in no way obligates the DAF to commit funding for a Phase III effort.

7. MILESTONES

The milestones found in Attachment 1.1, Schedule of Milestones, will provide value to the End-Users and/or Customers of the proposed solution.

8. STAKEHOLDERS

The successful transition of dual use technology requires engaged and empowered stakeholders. The following stakeholders have agreed to support the proposed project. If the project is selected for award, their support functionals (e.g. contracting, small business office, legal counsel, engineering, security, public affairs, etc.) will provide staff functions as needed.



8a. **STAKEHOLDERS: PRIMARY CUSTOMER ORGANIZATION**

Primary Customer Organization is the organization that will manage the future procurement or sustainment of the solution, and who will manage the funding, contracting, and logistics needs for Phase III awards, as appropriate.

Primary Customer Organization

(MAJCOM/FIELDCOM/DRU)

(PEO/CENTER)

(FULL NAME OF ORGANIZATION)

(OFFICE SYMBOL)

Primary Customer Point of Contact

(TITLE)

(FIRST NAME)

(LAST NAME)

(PAY GRADE)

(BRANCH)

(OFFICE SYMBOL)

(NAME OF DIVISION/OFFICE)

(DUTY TITLE)

(EMAIL)

(PHONE)

The POC named here is expected to provide a digital signature on Page 17.

8b. **STAKEHOLDERS: PRIMARY END-USER ORGANIZATION**

Primary End-User Organization is the organization that will use the developed solution, or who will primarily benefit from the solution.

Primary End-User Organization

(MAJCOM/FIELDCOM/DRU)

(PEO/CENTER)

(FULL NAME OF ORGANIZATION)

(OFFICE SYMBOL)

Primary End-User Point of Contact

(TITLE)

(FIRST NAME)

(LAST NAME)

(PAY GRADE)

(BRANCH)

(OFFICE SYMBOL)

(NAME OF DIVISION/OFFICE)

(DUTY TITLE)

(EMAIL)

(PHONE)

The POC named here is expected to provide a digital signature on Page 17.



8c. STAKEHOLDERS: PHASE II TECHNICAL POINT OF CONTACT (TPOC)

6 **PRIMARY** Phase II Technical Point of Contact (TPOC): Primary TPOC must be a DAF civilian or DAF military member, or the Customer Memorandum will not be accepted. The Primary TPOC may also be your End-User or Customer.

(TITLE) (FIRST NAME) (LAST NAME)
(PAY GRADE) (BRANCH)
(OFFICE SYMBOL) (NAME OF DIVISION/OFFICE)
(DUTY TITLE)
(EMAIL) (PHONE)

The POC named here is expected to provide a digital signature on Page 17.

6 **ALTERNATE** Phase II Technical Point of Contact (TPOC): **OPTIONAL BUT ENCOURAGED**

(TITLE) (FIRST NAME) (LAST NAME)
(PAY GRADE) (BRANCH)
(OFFICE SYMBOL) (NAME OF DIVISION/OFFICE)
(DUTY TITLE)
(EMAIL) (PHONE)

7 The TPOC will work closely with the company throughout the term of the contract. The TPOC is expected to facilitate interactions between the company and the Customer and End-User Organizations, work to overcome tactical execution barriers (e.g. base access, waivers/certifications, etc.), and resolve challenges whenever possible. At the end of the period of performance, the TPOC is expected to document whether or not the results of the work are promising for the DAF.

8d. STAKEHOLDERS: TPOC DESIGNATION

REFERENCE: Federal Acquisition Regulations (FAR) 2.101, Definitions Defense Federal Acquisition Regulations Supplement (DFARS) Part 201.602-2, Responsibilities

1. Once signed, this Customer Memorandum designates the Technical Point of Contact (TPOC) for the subject proposal. If the proposal is selected for award, **a contract number will be designated upon award**. The Primary TPOC will be designated by name in the contract based on the TPOC signature in this document. If for any reason the proposal is determined non-awardable, the AFRL/RGK Contracting Officer (CO) will provide notification.



8d. STAKEHOLDERS: TPOC DESIGNATION (CONTINUED)

- 2. You are not authorized to discuss performance or any other matter related to the proposed effort until contract execution (i.e. award) is complete.** Award notice will include appropriate POCs, including the CO, for award administration. The AFWERX Phase 2 Program Manager (PM) for this activity is Ms. Rachel Braun. Please use the p2@afwerx.af.mil for all PM-related correspondence.
- 3.** As the designated TPOC, it is your responsibility to monitor the contractor's performance to ensure successful contract completion, including timely contract deliverable submission up to and including the final technical report. Specifically, you will be responsible for the following:
 - a.** Monitor cost, technical, and schedule performance to identify and promptly inform the Phase 2 PM and CO of marginal or unsatisfactory performance; contractor's failure to meet delivery schedules; or any non-compliance with contract requirements. As the TPOC, you are not authorized to make commitments or changes affecting price, quality, quantity, delivery schedule/period of performance, scope of work, place of performance, or other terms and conditions of the contract/award, and may be personally liable for unauthorized acts. The CO is the only individual authorized to obligate Government funds or execute contract changes.
 - b.** Ensure contractor personnel performing on-site at Government facilities are briefed by responsible and knowledgeable persons, (e.g. the TPOC or facility leadership) on all required training, which may include security, emergency management, or accountability procedures.
 - c.** Receive and accept contract deliverables to ensure timely payment is made to the contractor after acceptance.
 - d.** Maintain close liaison with the identified Phase 2 PM and CO, as well as the Administrative CO, if other than AFRL/RGK.



8d. STAKEHOLDERS: TPOC DESIGNATION (CONTINUED)

- e.** Work with the contractor, installation, and other local Government organizations to gain required approvals/waivers and/or resolve execution issues including but not limited to security requirements, (e.g. CACs, DD254 coordination), program protection compliance, cybersecurity compliance, flight testing, unmanned aerial systems (UAS) regulations, and safety measures, when required. Coordinate these actions with the Phase 2 PM using p2@afwerx.af.mil.
- f.** Maintain records, including a copy of the contract and all modifications, unless available electronically; TPOC designation memorandum (this document); correspondence with the contractor; correspondence with the Contracting Officer; records of inspection activities and results; and all other documented actions taken as the TPOC. This information must be made available to the CO upon request. Contact the CO with any documentation questions.
- g.** If unable to perform the assigned TPOC duties, you are responsible for identifying a replacement TPOC. Notify the PM immediately to initiate the transition process. Replacement TPOCs must acknowledge their assumed responsibilities by signing a new version of this memorandum. Your role as TPOC expires upon official re-designation. At that time, you must ensure all documentation is provided to the newly-designated TPOC. During contract performance:
 - Do not discuss acquisition plans/strategies or provide advance information with potential to give one contractor an advantage over another in forthcoming procurements.
 - Do not instruct the contractor on how to perform but rather of the contract/award's requirements.
 - Do not participate in the contractor hiring/termination processes.
- 4.** It is essential you maintain a well-documented project folder/R&D case file. Each contract/order memorandum for record, other similar records, and other correspondence shall cite the contract number/order number. Copies of documentation and correspondence shall be furnished to the CO and others at the CO's request. Strictly adhere to restrictions regarding contractor proprietary data and business sensitive information. Contracting personnel are available for advice and guidance regarding fulfillment of contract terms.

**8d. STAKEHOLDERS: TPOC DESIGNATION (CONTINUED)**

- 5.** You are required to complete online training modules. If the courses have been completed or annual recertification is current, the requirements are met. Training-related questions, completion certificates, or signed memorandum of completion should be sent to p2@afwerx.af.mil.

Required courses:

- AFWERX specific TPOC training available online
- Additional training based on activities and regulatory requirements outlined in the contract

Optional courses:

- ACQ 1010 Fundamentals of Systems Acquisition Management (8 hrs) or ACQ101 - Defense Acquisition University, <https://www.dau.edu>
- CLC 106 Contracting Officer's Representative with a Mission Focus (3 hrs) - Defense Acquisition University, <https://www.dau.edu>
- CLC 011 Contracting for the Rest of Us (2 hrs) - Defense Acquisition University, <https://www.dau.edu>

- 6.** Standards of Conduct and Conflicts of Interest. You are reminded that Government employment, as a public trust, requires DoD personnel to place loyalty to the country, ethical principles, and law above private gain and other interests. You must comply with DOD 5500.7-R, Joint Ethics Regulation. As a TPOC, you shall read and understand FAR 3.2, Contractor Gratuities to Government Personnel, to ensure official responsibilities are performed without actions which might result in, or reasonably be expected to create the appearance of, conduct prejudicial to the Government. You are required to avoid being placed in positions from which conflicts of interest might arise or justifiably be suspected. You are reminded the FAR and DFARS includes direction relating to gratuities. This direction applies not only to you but also to your family members. You are cautioned if any Standards of Conduct are violated, you will be subject to the full range of statutory and regulatory sanctions.



8e. STAKEHOLDERS: STAFF FUNCTIONS

Staff Functions Providing Concurrence: **OPTIONAL BUT ENCOURAGED**

(⁸SECURITY OFFICE NAME)

(⁹INFORMATION ASSURANCE/CYBERSECURITY NAME)

(¹⁰FINANCE NAME)

(CONTRACTING NAME)

(STRATEGY, INTEGRATION, AND REQUIREMENTS NAME)

(SMALL BUSINESS OFFICE NAME)

(COMMANDER NAME)

(LEGAL COUNSEL NAME)

(ENGINEERING/SPO/TEST NAME)

(PUBLIC AFFAIRS NAME)

(¹¹SMALL BUSINESS OFFICE NAME AND POC)

(ADDITIONAL STAKEHOLDERS: IF APPLICABLE OR ENTER N/A IF NOT APPLICABLE)

9. ¹²PHASE III TRANSITION STRATEGY

One of the SBIR/STTR Program's core objectives is increasing the likelihood of transition of small business innovations to Phase III. Visit afwerx.com for transition strategy resources and tailor a transition strategy narrative to the specific organization and solution here. (DESCRIPTION)



9. ¹²PHASE III TRANSITION STRATEGY (CONTINUED)

If more space is needed for your Transition Strategy please enter below or enter N/A.

10. SECURITY

The SBIR/STTR Company (WILL / WILL NOT) require access to military installations and facilities to perform the proposed work under Phase II.

If a Phase II is awarded, the TPOC will work with applicable visitor centers or security offices to sponsor the individuals onto the installation when required.

The SBIR/STTR Company (WILL / WILL NOT) require Common Access Cards (CACs) to access DoD networks to perform the proposed work under Phase II.

If a Phase II is awarded, the TPOC will work with the named Security Office to process the documentation required to issue the CACs.



10. SECURITY (CONTINUED)

The SBIR/STTR Company (WILL / WILL NOT) require classified accesses documented via a DD254 to perform the proposed work under Phase II.

If a Phase II is awarded, the TPOC and the DAF Customer/End-User Organization will work with their relevant Security Office to draft a DD254 (the form needed to detail security requirements and classification guidance to a contractor) and work with the company to obtain access.¹³

11. ¹⁴CYBERSECURITY

The proposed solution (DOES/DOES NOT) involve software or IT that will connect to DoD networks/systems or utilize CUI data.

If a Phase II is awarded, the TPOC will work with their relevant Information Assurance/Cybersecurity Offices required to execute the contract. The TPOC should also work with their Authorizing Official/Entity to determine what type of authorization is required (IATT, ATO, etc.), help the company submit required paperwork, and ensure all cybersecurity requirements are met.

12. ¹⁵FLIGHT TESTING OR UTILIZATION OF UNMANNED AERIAL SYSTEMS (UAS)

The SBIR/STTR Company (WILL / WILL NOT) require flight testing or UAS utilization to accomplish the proposed Phase II work.

If a Phase II is awarded, the SBIR/STTR company will immediately start coordinating with the TPOC, AFRL/DO, and applicable AFWERX Regulatory and Test Personnel to prepare flight test planning documents in accordance with AFRL/DO instructions.

13. ¹⁶HUMAN SUBJECT RESEARCH*

The proposed solution (DOES/DOES NOT) involve Human Subject Research pursuant to in DODI 3216.02, Protection of Human Subjects and Adherence to Ethical Standards in DOD-Conducted and -Supported Research as well as 32 CFR, Part 219, Protection of Human Subjects. See Form Instruction, Section 13, Human Subject Research for additional information/clarification.

***NOTE:** Any TPOC aligned to an effort that may involve HSR is required to complete a separate HSR TPOC training led by the 711 HPW/IR, Human Research Performance Protection Office (HRPO).



14. ¹⁷SIGNATORIES

Please contact the individuals below with questions or concerns.

a. ¹⁸Suitability of DAF or Joint End-User Signatory. (DESCRIPTION)

b. ¹⁹Suitability of DAF or Joint Customer Signatory. (DESCRIPTION)

²⁰Customer (FIRST MI LAST, RANK/GRADE, USAF)

↓ **NOTE:** A CAC-enabled, digital signature is required here AND in the field to the right.

²¹End-User (FIRST MI LAST, RANK/GRADE, USAF)

↓ **NOTE:** A CAC-enabled, digital signature is required here AND in the field to the left.

²²Primary TPOC Signature (FIRST MI LAST, RANK/GRADE, USAF)

↓ **NOTE:** A CAC-enabled, digital signature is required here.

By signing this memorandum, you acknowledge you understand, accept, and will abide by the full terms and conditions outlined in the TPOC Designation Section.

NOTE: If you are actively planning to change jobs, PCS, separate, or retire within the next 6 months, please identify another TPOC to support this effort.

Attachment 1.1: Schedule of Milestones (required)

Attachment 1.2: Non-Proprietary Work Plan (required)

Attachment 1.4: SBIR/STTR Definitions and Suitability Resources (do not include in signed memo)



FORM INSTRUCTIONS

FOR SBIR/STTR PHASE II CUSTOMER MEMORANDUM

NOTE – The use of the Customer Memorandum template is **MANDATORY**; all elements **MUST** be present and complete. To avoid disqualification, all fields must be filled in. If a question is not applicable to your solution, please indicate N/A. Proposals without a completed and signed memoranda accomplished in accordance with this template will be determined **non-responsive to the solicitation and will not be considered for award**.

R/R&D/RDT&E SUITABILITY – To ensure efforts submitted are appropriate for the SBIR/STTR Program, please see the applicable solicitation for general definitions and R/R&D/RDT&E suitability language. This language is not exhaustive but meant only for reference.

To learn more about the AFVentures SBIR/STTR Open Topic program and access additional resources including videos, sample applications, and more, visit <https://afwerx.com/afventures-overview/>.

1 Subject; Topic Number

Topic numbers can be found in the Consolidated Topic Information Table in the solicitation.

2 Section 4; Phase II Funding Commitment; Paragraph 1

Phase II Funding Commitment from DAF Organization: DAF Customer's Government funding commitments are not required for Phase II SBIR/STTR awards. However, a DAF Customer may wish to provide its own funds to supplement SBIR/STTR program funds in order to increase project scope according to Reference (b), (Appendix I)(e.)§4(b)(1)(v)(B).

Pursuant to Reference (b), DAF Customer may expend its non-SBIR/STTR funds as supplements to the Phase II award. Additionally, non-SBIR/STTR Federal matching, as well as non-Federal (in certain circumstances found in Reference b) funding, may be used for Phase II.

In order to be included in the contract award, if selected, funding documents (Form 9s/MIPRs) must be provided to AFRL/RGF within 45 calendar days after the corresponding solicitation's closing date. Once selection letters are sent, CERTIFIED funding documents are due five business days later. If certified funding documents are not provided [by the solicitation close date +45 days], 5 business days after select notices are SENT, the effort will move forward without the second phase funding commitment considered. To initiate the funds transfer process, email AFRL.SBIR.STTR@us.af.mil. An automated response including the funds transfer request template and further guidance will be received.

NEW UPDATE: *DRAFT funding documents (Form 9s/MIPRs) are due within 45 days of the solicitation closing. Once selection letters have been sent, CERTIFIED funding documents are due five business days later. If certified funding documents are not provided [by the solicitation close date +45 days], the effort will move forward without the second phase funding commitment considered.*



3 Section 4; Phase II Funding Commitment; Paragraph 2

If non-SBIR/STTR Federal funding commitments are planned, include this language.

4 Section 8a; Stakeholders: Primary Customer Organization

Primary Customer Organization is the organization that will manage the future procurement or sustainment of the solution, and who will manage the funding, contracting, and logistics needs for Phase III awards, as appropriate.

5 Section 8b; Stakeholders: Primary End-User Organization

Primary End-User Organization is the organization that will use the developed solution, or who will primarily benefit from the solution.

6 Section 8c; Stakeholders: Phase II Technical Point of Contact (TPOC)

TPOCs should review the duties required of them, detailed in this document, prior to signature.

7 Section 8c; Stakeholders: TPOCs Paragraph

The Primary TPOC must be a Department of the Air Force (DAF) member (Military or Civilian employee). Alternate TPOCs may be personnel from other components. Most Contractors (including SETA contractors) cannot be TPOCs, but FFRDC Contractors may be accepted. TPOCs are not required to be in the End-User's or Customer's organization – another organization may provide a TPOC with expertise in the technology area. However, there is no restriction to your TPOCs also being your End-User or Customer if they meet the following requirements.

8 Section 8e; Stakeholders: Staff Functions; Security Office

Provide organization name. Required for base access/CACs/classified accesses; see Section 10.

9 Section 8e; Stakeholders: Staff Functions; Information Assurance

Required for software and IT solutions; see Section 11.

10 Section 8e; Stakeholders: Staff Functions; Finance

Required for Phase II Government Funding Commitments, if applicable; see Section 4.

11 Section 8e; Stakeholders: Small Business Office

Visit <https://www.airforcesmallbiz.af.mil> for more information.



12 Section 9; Phase III Transition Strategy

The program's core objective is transition of SBIR/STTR-funded small business innovations to Phase III. Describe this effort's tentative transition strategy, assuming the proposed Phase II is successful and meets your organization's needs. At a minimum, address Phase III funding strategy, requirements personnel role (if applicable), contract vehicle, and integration plan.

The DAF Customer's Small Business Office should advise the Customer regarding potential contracting, subcontracting, or other opportunities suitable for the SBIR/STTR company.

Additional ideas/resources available in the attachments. Do not use boilerplate attachment language in this section. Tailor the Transition Strategy narrative to the specific organization and solution.

13 Section 10; Security

The TPOC and the Customer/End-User Organization are responsible for all security actions. Please work with your local security office early on to understand the challenges you may face with getting the company the access it needs to complete the stated R&D work. AFWERX does not manage security actions.

14 Section 11; Cybersecurity

If the proposed solution involves software or information technology and will need to connect either to an information system or weapon system or utilize DAF or DoD data, it will likely require some sort of software authorization (e.g. an Interim Authorization To Test (IATT)) granted by an Authorizing Official (AO) or utilize an established DAF DevSecOps environment. The TPOC should consult with the applicable Customer and/or End-User Organization Cybersecurity or Information Assurance office to begin the process. Fundamental cybersecurity control requirements are outlined in NIST SP 800-171 Rev 1 and DFARS PGI 239.76 - Cloud Computing, serving as the backbone to Air Force cyber and data security. More information can be found at <https://www.safcn.af.mil/Organizations/CISO-Homepage/Small-Business-Cybersecurity-Information/>. As with other types of security, the TPOC and the Customer/End-User Organization are responsible for enabling any security actions (including software authorization). AFWERX does not manage cybersecurity processes or software authorizations.

15 Section 12; Flight Testing/UAS

Flight testing is any set of related events where a vehicle moves through the air making use of the physics of controlled or maneuvering aerial transport. It may include balloon flight, attributable aircraft, manned or unmanned aircraft, air taxis, aircraft ground test, cockpit evaluations, and other similar activities. For Flight Testing or Utilization of Unmanned Aerial Systems (UAS), there is a blanket waiver for AFRL/DO to "procure Commercial-Off-The-Shelf Unmanned Aerial Systems for the purposes of conducting cyber analysis, signature, system check out, or profile data in a benign or controlled RF environment." However, contractors proposing UAS purchases will need to work with the Government TPOC to also pursue a "use waiver or Exemption to Policy (ETP)." Contract execution is not dependent on use waiver completion. However, it is important to start the process as early as possible, as completion could impact efforts' milestone schedules.

**16 Section 13; Human Subject Research**

If the proposed solution includes research involving a living individual about whom an investigator conducting research obtains data through intervention or interaction with the individual or identifiable private information or includes research as a systematic investigation including development, testing, and evaluation designed to contribute to generalizable knowledge, additional requirements will need to be met. (If 'DOES' is selected, please adhere to the following:) The SBIR/STTR company will review and adhere to the protection of human subjects CLAUSES within the contract award and begin coordination to acquire a commercial Institutional Review Board (IRB) determination as the initial step in the approval process. The IRB determination must be provided to the Open Topic Execution Section and will be reviewed by a PM and HSR Gatekeeper. The company will work with the Execution Section who will support and facilitate the company through the remaining steps to obtain a final HRPO approval before work including HSR can commence.

17 Section 14; Signatories

Signatories should be in positions that allow them to speak for their organizations (i.e. individuals must understand and exert influence over operational needs, formal requirements, or funding). Certain ranks/grades are not required for signatories to sign. The DAF Customer POC and the DAF End-User POC cannot be the same person. A Customer Memorandum without the needed CAC-enabled digital signatures will NOT be accepted.

18 Section 14; Signatories: Air Force End-User Suitability

Briefly describe the DAF End-User signatory's appropriateness for this effort.

19 Section 14; Signatories: Air Force Customer Suitability

Briefly describe the DAF Customer signatory's appropriateness for this effort.

20 Section 14; Signatories: DAF Customer

A CAC-enabled, digital signature is required. The DAF Customer and the DAF End-User cannot be the same person. **IMPORTANT:** A Customer Memorandum without this signature will **NOT** be accepted.

21 Section 14; Signatories: DAF End-User

A CAC-enabled, digital signature is required. The DAF Customer and the DAF End-User cannot be the same person. **IMPORTANT:** A Customer Memorandum without this signature will **NOT** be accepted.

22 Section 14; Signatories: Primary TPOC Signature

A CAC-enabled, digital signature is required. The Primary TPOC must be a Department of the Air Force (DAF) member (Military or Civilian employee). The Primary TPOC may also be your End-User or Customer but not both. **IMPORTANT:** A Customer Memorandum without this signature will **NOT** be accepted.