

CLOSED AS OF 1200 CST 22 May 2020

General Information

1. AoI Background

Across the United States, medical providers and first responders face immediate loss of critical equipment inventories. Meanwhile, small businesses and the American innovation industrial base offer a nation-wide surplus of agile, small-batch design and manufacturing capacity that can offset these critical equipment needs. In order to access this under-utilized capacity and further minimize the high demand on conventional medical equipment supply chains, the Air Force is seeking proposals from small, non-traditional sectors who are able to rapidly fill a variety of critical equipment needs.

Specifically, the Air Force requests solutions for the design, engineering, testing, manufacturing, distribution, and associated digital planning tools required to deliver a variety of medically-related supplies and personal protective equipment (PPE). Relevant solutions should consider the suite of advanced manufacturing technologies, and need not be specific to additive manufacturing, aka, 3D Printing. Equipment needs will be focused on, though not exclusive to, environments suited for emergency response and security personnel in non-clinical environments. This effort intends to leverage progress made through the America Makes National Manufacturing Institute, who has partnered with the Department of Veteran Affairs and the Department of Health and Human Services to approve open source designs for Community Use and Clinical Use equipment. These designs are accessible through the National Institutes of Health (NIH) Exchange (<https://3dprint.nih.gov/collections/covid-19-response>).

1. Proposed Equipment Types. It is preferred, though not necessary, for vendors to align their solutions with available open source equipment designs that have been approved for Community or Clinical Use through the NIH Exchange. Vendors are also invited to propose alternative types of PPE and other COVID19-related equipment that may be relevant to the Air Force, such as FDA-authorized medical consumable and decontamination equipment. Equipment of significant interest will soon be listed on a dynamically-updated document linked to this AOI, but will broadly align to equipment included on the FEMA Critical Equipment list (<https://www.americamakes.us/wp-content/uploads/sites/2/2020/03/Supply-List-for-RFP-vHHS.pdf>). Additional preference given to solutions that include supplementary equipment (e.g. COVID-19 appropriate filters and straps in the case of face masks).

Vendors can expect to be contacted prior to award for updated quotes for particular combinations of equipment types, quantities, and delivery timelines. Solutions can be updated over time for accuracy and additional available equipment. Solutions may include costs for pre-assembly, or reduced costs for on-site assembly by untrained individuals provided by the government. Lastly, items must be able to be shipped to multiple locations within the Continental United States (CONUS), though alternate shipping methods may be requested (such as Outside CONUS or on-site pickup via government-arranged means). Estimated shipping costs will be confirmed prior to award.

2. Manufacturing Process. Though the NIH Exchange models were designed for additive manufacturing/3D printing, the vendor will determine the most appropriate manufacturing

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process to meet the government intent to most rapidly deliver the above items. Vendors should provide a brief justification of the selected manufacturing process. Vendors are encouraged to submit Solutions with multiple manufacturing processes, delivery timelines, and costs.

3. **Equipment Design & Engineering.** Although the NIH-provided designs are available for use, other equipment and designs may be preferred by the vendor. Use of these designs must be approved by the government prior to manufacture. If a vendor offers a non-NIH or non-FDA approved design, please include any related information regarding the provided item's effectiveness in preventing the spread of COVID-19.

4. **Testing & Training.** Vendors may submit prior equipment testing details, where appropriate. Vendors who specialize in prototyping and testing may submit proposals that are exclusive to their ability to independently prototype, test, and validate external equipment sources. In certain cases, it may be possible for the government to organically design, manufacture, or assemble equipment. Therefore, the Air Force is also interested in Solutions that describe how virtual or on-site training will enable these activities.

5. **Digital Planning Tools.** The Air Force also requests solutions from vendors with lightweight digital planning tools that are able to support the scope of this AOI. This includes, but is not limited to, specific focus on capturing equipment demand; allocating and tracking demand to supply; and supporting collaboration between vendor and government partners.

2. AoI Constraints

1. The solution shall describe the proposed approach to completing the project.
2. Solution Briefs must meet the requirements of at least one category listed above (Sections 1.1 - 1.5).
3. Pricing Strategy
 - 3.1. Contractor will be issued a firm-fixed price award for the solutions.
 - 3.2. Payment may be made by Government Credit Card (Mastercard).

1. SPRIRAL 1 through 3– Submission Requirements

- 1.1. All guidance governing the content and evaluation criteria for required submission can be found the below at the following: CSO COVID 19 Response link:
<https://beta.sam.gov/opp/f48d23af514f494f819f0c33e9f40e17/view> .
- 1.2. Solutions briefs for this Area of Interest shall be submitted at the below:
<https://forms.gle/z7wFPFG3hpA5pBXj6>
- 1.3. Once submission is received, every offeror will receive a Response Submission Number via email and prompted to send their Commercial Solution Brief as an attachment to the CSO.COVID.RESPONSE@afwerx.af.mil account for evaluation.

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2. AoI Open Period –

- 2.1. Solution Briefs may be submitted immediately upon posting this AOI. Solutions Briefs will be accepted until the government amends this AOI stating the submission period has closed, until the cancellation of the Commercial Solution Opening, or 30 Sept 2020
UPDATE THIS AOI CLOSES AT 1200 CST 22 MAY 2020. ALL SPIRAL ONE CSBS MUST BE SUBMITTED TO CSO.COVID.RESPONSE@AFWERX.AF.MIL PRIOR TO CLOSURE TO BE CONSIDERED RESPONSIVE.
- 2.2. Evaluations will begin with 48 hours of the posting of this AOI.

Questions concerning this AOI can be sent to the following email:

CSO.COVID.RESPONSE@afwerx.af.mil

**Companies are advised that any Prototype Other Transaction Agreement (OTA) awarded in response to this Area of Interest may result in the award of a follow-on production contract or transaction without the use of competitive procedures. The follow-on production contract or transaction will be available for use by one or more organizations in the Department of Defense and, as a result, the magnitude of the follow-on production contract or agreement could be significantly larger than that of the prototype OTA. As such, any Prototype Other Transaction Agreement will include the following statement relative to the potential for follow-on production: "In accordance with 10 U.S.C. 2371b(f), and upon a determination that the prototype project for this transaction has been successfully completed, this competitively awarded prototype OTA may result in the award of a follow-on production contract or transaction without the use of competitive procedures