CSO COVID-19 AREAS OF INTEREST (AOI): VENTILATOR CONSUMABLES

1. General Information: Proposals are limited to (3) pages and must be submitted by 5PM EDT Monday 4/13/2020 to the JATF Ventilator POC: Andrew Flint, andrew.flint@afwerx.af.mil; 518-339-4045

1.1 AoI Background -

As ventilator production ramps up across the globe, ventilator consumables, the disposable items required to treat individual patients, will face critical inventory shortages. While the ventilator industry is on contract for over 100,000 ventilators, their delivery schedules will be at risk until the consumable shortages are addressed. Concurrently, social distancing is creating an economic - though under-resourced - surplus of design and manufacturing capacity, with no clear method of aligning surplus to need. In response, the Joint Acquisition Task Force (JATF) is seeking vendors from small, non-traditional sectors of the American manufacturing base who are rapidly able to fill critical equipment inventories to meet the JATF needs. Specifically, the JATF is seeking proposals for the design and/or manufacture of the following goods:

1) Ventilator Circuits (ISO 5356-1 & ISO 80601-2)

Ventilator circuits should be designed, manufactured and packaged to meet a majority of ventilators on the market. Ventilator circuits should be designed, manufactured and packaged with the tubing, parts, adaptors and valves required to work with a large variety of ventilators. Ventilator circuits must meet ISO 5356-1 and ISO 80601-2 standards.

2) Ventilator Filters (ISO 23328-1 and -2)

Ventilator filters (Electrostatic or HEPA) are required for bacterial and viral filtering, and require special filtering materials. The JATF is looking for manufacturers that can provide excess capacity to the current supply base through traditional or non-traditional solutions.

3) Ventilator Circuit and/or Filter Decontamination/Sanitization/Sterilization

Ventilator circuit and/or filter decontamination, sanitization, and sterilization technologies capable of meeting FDA requirements for sanitization and sterilization could allow the medical community to reuse critical items. The JATF is looking for manufacturers that can provide ventilator circuit and/or filter decontamination, sanitization, and sterilization technologies.

Respondents to this AOI should describe how their solutions are going to meet FDA guidelines for production of medical devices.

Vendors should provide a brief justification of the selected manufacturing process. Regardless of the chosen manufacturing process, the vendor shall provide a test sample (QTY: 25) of manufactured components for evaluation by the government.

Proposals should contain fixed-costs, price per item, lead time, and related shipping costs. All items must be able to be produced without interference to the traditional-yet-constrained supply chain. Preference will be given to proposals that can produce components in bulk by end of month, May 2020. Proposals can include costs for pre-assembled delivery, 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 OCONUS or on-site pickup via government means).