

The purpose of this sources sought synopsis is to gain knowledge of potential qualified sources and their size classifications (Service Disabled/Veteran Owned Small Business (SDVOSB/VOSB), Hub zone, 8(a), small, small disadvantaged, woman owned small business, FSS/GSA contract schedule holders or large business) relative to NAICS 334118, Computer Terminal and Other Computer Peripheral Equipment Manufacturing (size standard 1,000 employees) in the Richmond, VA area or who can satisfy the requirement in this area.

This is a sources sought to determine the availability of potential sources having the skills and capabilities necessary to provide the SPECIFIED REQUIREMENT. All interested vendors are invited to provide information to contribute to this market survey/sources sought including commercial market information. Submission shall be emailed to [shamike.bethea@va.gov](mailto:shamike.bethea@va.gov) by August 02, 2017, 1500EST.

**SPECIFIED REQUIREMENT:** Network Contracting Office 6, Hampton, VA is seeking sources for a potential contractor to provide and install the following type of equipment:

### 3-Dimensional Printer

#### **1. Specifications/Salient Characteristics**

The contractor shall provide equipment and production with the specification described below:

##### **3D Printer (1 each)**

3D printing technology shall have: CFF – Continuous Filament Fabrication. Continuous Filament must be in the form of Carbon Fiber, Fiberglass, Hi-Temp Fiberglass and Kevlar. Continuous Filament must reinforce parts with continuous strands of fiber (Carbon Fiber, Fiberglass, Hi-temp Fiberglass, and Kevlar). 3D printer must be able to access and use Eiger software (cloud-based with local storage) for file manipulation, incorporation of continuous filament, and preparation for 3D printing. 3D printer must have dual-nozzle extrusion, 100 micron layer capability, and a build volume of 320 x 132 x 154 mm. 3D printer must be capable of pausing and resuming prints without build failure. 3D printer must have a touchscreen interface. 3D printer must be able to print in base materials of Nylon and Onyx (Nylon with Carbon Fiber). 3D printer must come with basic startup package including one spool of each material type, an additional print bed, and additional printer nozzles. 3D scanner must be a blue-light scanner, desktop model, tripod-mounted, and capable of working with a hands-free, rotating turntable. 3D scanner must be capable of capturing 985,000 points/scan at an accuracy of .060 mm. 3D scanner resolution must be 0.110 mm at 300 mm; 0.180 mm at 480 mm. 3D scanner must have a depth of field of 180 mm. 3D scanner and rotating turntable must come in a protective case capable of easy portability. 3D scanner data must be able to scan directly into CAD-capable 3D scanner software. 3D scanner software must be capable of the following: Precise 3D inspection; Import points; Import meshes; Import CAD formats; Intelligent mesh region grouping; Point editing (delete, sample, reduce noise); Basic mesh editing (fill holes, trim, mesh, etc.); Advanced mesh editing (sandpaper, sculpt, etc.); Large data set processing; 3D PDF generation; Auto and exact surfacing; Mesh-to-solid deviation analysis; Intelligent extraction of surfaces/solids/sketches to CAD; Complete sketching tools; Sketch-level accuracy analysis; Solid modeling tools; Native parametric output to SOLIDWORKS®, NX®, Inventor®, Creo®, Solid Edge®; History-based CAD modeling; Keyshot rendering.

## **DISCLAIMER**

This RFI is issued solely for information and planning purposes only and does not constitute a solicitation. All information received in response to this RFI that is marked as proprietary will be handled accordingly. In accordance with FAR 15.201(e), responses to this notice are not offers and cannot be accepted by the Government to form a binding contract. Responders are solely responsible for all expenses associated with responding to this RFI.