



**22-013 – High Performance Compute Hardware**

Title	High Performance Compute Hardware
Description	<p>General Dynamics Mission Systems is seeking a vendor that can provide COTS (commercial off the shelf) HPC (high-performance compute) computer hardware. Hardware specifications must include:</p> <ul style="list-style-type: none"> <li>• CPU – Min 12-core, ideally 24-core. Current generation or at most one generation old (AMD Threadripper Pro 5965WX or equivalent). We are not opposed to a dual-chip configuration if that is sensible provided the total core count, IPC, and clock frequency are adequate.</li> <li>• RAM – 256 GB min, ideally as fast as possible (3200+ MHz). We would want a configuration that uses all the memory channels of the platform since we do not plan to upgrade the memory. It does not have to be ECC.</li> <li>• GPU – 3 each Nvidia A6000</li> <li>• Networking – 2*10 Gbps RJ45 and 1* 1Gbps RJ45 for management</li> <li>• Boot memory – 4TB PCIe 4.0*4 NVMe drive (min)</li> <li>• Bulk Storage – Min 20 TB SSD storage raw. Ideal configuration would be SATA SSDs.</li> <li>• RAID Controller – RAID 5 capable controller compatible with the bulk storage</li> <li>• OS – Windows 11 preferred, Windows 10 acceptable</li> <li>• Form Factor – Rackmount preferred, tower acceptable</li> </ul> <p><u>Interested parties should email a response including:</u></p> <ul style="list-style-type: none"> <li>• Company Overview</li> <li>• Product spec sheets and correlating pricing sheets (<i>either PDFs or links to each product on your website</i>)</li> <li>• DUNS Number, CAGE Code and/or UEI (<i>Unique Entity Identifier from SAM.gov</i>)</li> <li>• Answers to the below questions</li> </ul> <ol style="list-style-type: none"> <li>1. Is your company located <u>outside</u> of the United States?</li> <li>2. Does your company intend to utilize non-U.S. facilities to perform any activity required by this TechScout?</li> <li>3. Does your company expect to utilize foreign nationals in any capacity in support of this TechScout?</li> </ol> <p><i>If you answered “YES” to any of the questions above, then:</i></p> <ol style="list-style-type: none"> <li>4. Are you registered with the Directorate of Defense Trade Controls at the U.S. Department of State as a manufacturer or exporter of defense articles and services?</li> <li>5. Do you have an Export Control Program and resources that address U.S. export control regulations (i.e. EAR and ITAR) that may affect your business?</li> </ol> <p>If your product(s) meet the requirements, you will received further details and request for quote.</p>
Keyword(s)	HPC, high-performance compute, computer hardware
Response Instructions & Date	<p><b>Responses will be accepted thru 8/12/2022</b></p> <p>General Dynamics Mission Systems Innovation Sourcing Network (ISN)™ is seeking respondents to the following TechScout request. This TechScout request does not contain U.S. export controlled technical data or proprietary information and is approved by General Dynamics Mission Systems for public release and is in the public domain.</p>

**Send email response to [techscout@gd-ms.com](mailto:techscout@gd-ms.com)**

**TechScout responses should not contain any export controlled technical data or proprietary information.**

**Response should include the following information:**

- **Company Overview**
- **Product spec sheets and correlating pricing sheets**
- **DUNS Number, CAGE Code and/or UEI**
- **Answers to the above questions**

*In your response, please identify whether you or your company are located outside the U.S. If located outside the U.S., please identify any home country export controls that will apply to your response. If located in the U.S., please identify whether your company employs non-U.S. manufacturing or design facilities, or foreign nationals in your response.*

Any subsequent interaction between General Dynamics Mission Systems and a non-U.S. based TechScout respondent, or a U.S. based TechScout Respondent with non-U.S. manufacturing, design or foreign national employees must be reviewed and approved in advance for U.S. Export Compliance requirements by the General Dynamics Mission Systems International Trade & ATF Compliance prior to any such interaction.

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Questions

Email the Innovation Sourcing Network with any questions or required clarification at [techscout@gd-ms.com](mailto:techscout@gd-ms.com).