

# Continuous Call for High Priority Project Requests

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**Purpose:** The Department of Defense (DoD) High Performance Computing Modernization Program (HPCMP) established DoD Frontier Projects to enable research, development, test, and evaluation (RDT&E), and acquisition engineering outcomes that would not be achievable using typically available HPCMP resources. The HPCMP has terminated the Frontier program to accelerate allocation of projects deemed high priority by the Office of the Secretary of Defense, the Services, and the DoD Agencies. As a result, the HPCMP has increased their higher priority offerings and service-levels, thus, expediting access to the HPCs to meet the demands of the day.

**The High Priority Offerings:** High Priority Service-Levels offered by the HPCMP:

1. Access to High Priority queues
2. Acquisition/Mission Engineering (AE) Systems
3. Dedicated Service Partitions (DSPs)

The aggregate of all High Priority projects on allocated systems shall not exceed 35% of the total supercomputing computational resources. High Priority computational work will be implemented according to a percentage of the total allocation that can be declared high priority by the Services or Agencies. Each DSRC has support mechanisms and priority structures to support this high-priority projects.

**Access to High Priority Queues:** Users are welcome to request access to the High Priority queues through the portal to the Information Environment (pIE) via a project or subproject request. All requests shall be routed to be evaluated by your High Performance Computing Advisory Panel (HPCAP) member. If requesting either a project or subproject to your project, the request must include:

1. **Project/Subproject Description:** Must explain the overall impact to the DoD. The description must address the following:
  - a. A short description of your project/subproject
  - b. Overall DoD beneficiary of the outcome of your project
  - c. OSD Priorities that are met
  - d. Major Defense Acquisition Program (MDAP) this project supports, if applicable
  - e. The due date, if you are working on a timeline
  - f. Potential Cost Savings to the DoD

- g. Potential Schedule Savings to your project using high priority HPC time
- h. Potential Live Saved, if applicable

2. **Comments Section:** Indicate that your request is for High Priority, and designate the systems and hours requested. Please confer with your Service/Agency Approval Authority (S/AAA), as you submit your request. S/AAA contact information your organization may be found here: [S/AAA List](#) or you may contact the HPC Helpdesk and they will route you at [help@helpdesk.hpc.mil](mailto:help@helpdesk.hpc.mil).

*Access to Acquisition/Mission Engineering Systems:* To better support Acquisition/Mission Engineering efforts within the Department of Defense (DoD), the HPCMP has also established unallocated systems that support Acquisition/Mission Engineering (AE) Projects. AE projects are intended to support DoD weapon system projects throughout the lifecycle of a weapon system, incur a high return on investment of DoD HPCMP resources, and offer relevant warfighter support, including test and evaluation (T&E) efforts directly supporting a DoD weapon system. A relevant example of an AE effort is a computational effort to use high-fidelity modeling and simulations tools (i.e. Kestrel) to generate an aerodynamic database to support a wind tunnel or flight test program. A continuous call for efforts is available for AE efforts. AE request forms are located on the HPC website at [www.hpc.mil](http://www.hpc.mil), “Upcoming Calls” >> [“Call for DoD HPCMP Acquisition Engineering Project Requests”](#).

*Dedicated Support Partitions (DSPs):* DSPs support large application software development projects and other types of computational work that might have a strong need for a significant dedicated partition on a HPC system. A DSP supports a project in need of dedicated processors for a significant period to accomplish work that could not otherwise be done in a shared resource environment. Visit the HPC website at [www.hpc.mil](http://www.hpc.mil), “Upcoming Calls” >> [“Call for Dedicated Support Partition \(DSP\) Requests”](#) for instructions and eligibility information.