



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
ENGINEER RESEARCH AND DEVELOPMENT CENTER, CORPS OF ENGINEERS
INFORMATION TECHNOLOGY LABORATORY
WATERWAYS EXPERIMENT STATION, 3909 HALLS FERRY ROAD
VICKSBURG, MISSISSIPPI 39180-6199

S: 24 April 2023

CEERD-IZP

3 February 2023

MEMORANDUM FOR HIGH PERFORMANCE COMPUTING ADVISORY PANEL
(HPCAP)

SUBJECT: Call for FY 2024 Department of Defense (DOD) Frontier Project Proposals

1. The DOD High Performance Computing Modernization Program (HPCMP) requests your assistance in gathering and prioritizing your Service/Agency FY 2024 DOD Frontier Project proposals. The HPCMP established DOD Frontier Projects to enable the exploration of research, development, testing, and evaluation (RDT&E), and acquisition engineering outcomes that would not be achievable using typically available HPCMP resources. Frontier Projects pursue outcomes aligned with DOD mission priorities and are supported by multiyear commitments of exceptional amounts of high performance computing computational resources.
2. The "Call for FY 2024 DOD Frontier Project Proposals" is enclosed (Encl 1). Please note that in FY 2024, we will continue to award and execute two types of Frontier projects: Foundational Research and Engineering projects and Applied Acquisition and Sustainment projects. The call is being sent to all active HPCMP users and will also be posted on the HPCMP website. Please feel free to further distribute this document to your Service/Agency organizations.
3. All Frontier proposals must be submitted through the applicable HPCAP principal. The second document (Encl 2), "Instructions for HPCAP Principals for Submission of FY 2024 DOD Frontier Project Proposal Packages," provides detailed guidance to you for submitting Frontier Project proposals (due by 24 April 2023).
4. I am asking for your assistance to ensure that the proposals submitted have a high potential to significantly impact DOD's RDT&E program and acquisition engineering communities, represent a broad range of computational technology areas, and shorten acquisition timelines. In addition, we continue previous years' interest in receiving proposals from key focus areas that have been identified as being of high interest within DOD: (a) hypersonic systems, (b) autonomous systems/artificial intelligence, (c) future vertical lift, (d) electromagnetic development and design, (e) directed-energy systems, and (f) microelectronics. Finally, we are interested in proposals that will be able to leverage the program's investment in TS-SCI shared resources and new systems with significant GPGPU capabilities.

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5. My point of contact for the Frontier program is Mr. Michael Ausserer, Associate Director for Resource Management. He may be contacted by phone at 937-272-0525, or via e-mail at michael.ausserer@us.af.mil.

Encls

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Computing Modernization Program