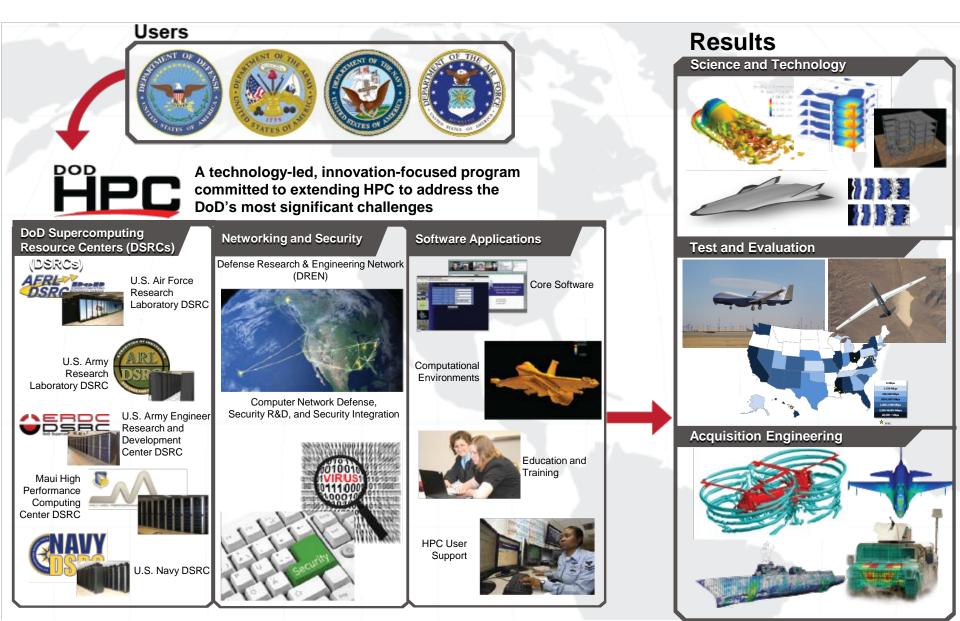


HPCMP New Users' Guide "Who Are We?"



HPCMP Ecosystem





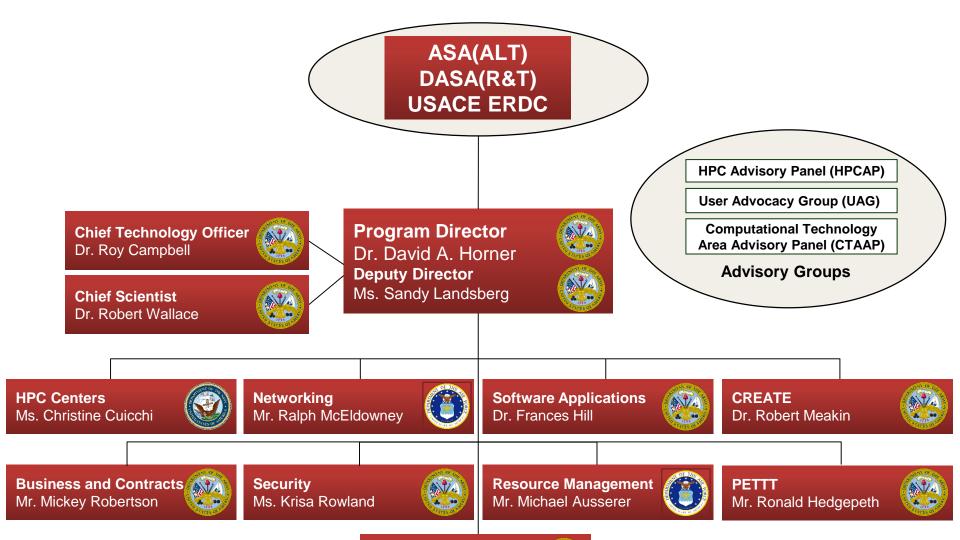
HPC WODERNIZATION PROGRAM

HPCMP Value Proposition

- The DoD High Performance Computing Modernization Program (HPCMP) provides science and technology, test and evaluation, and acquisition engineering community customers with a full ecosystem consisting of world-class high-performance computational resources, scientific software, and reliable networking supported by sound cybersecurity practices.
- This HPC ecosystem enables the development and use of physicsbased modeling and simulation, and high-performance data analytics to optimize the acquisition and sustainment of innovative weapon systems.
- We enable the Department of Defense to maintain the US strategic warfighting advantage over current and future adversaries.
- We provide solutions that are cost-effective, flexible and responsive.
 Our success is measured by our ability to positively impact our customers' achievement of their critical mission objectives.

HPCMP Leadership







DoD Supercomputing Resource Centers (DSRCs) Systems

- Centennial SGI ICE XA
- Excalibur Cray XC40
- Hellfire (C) SGI ICE X

- Lightning Cray XC30
- Thunder SGI ICE X

- Onyx Cray XC40/50 (includes Knights Landing nodes)
- Topaz SGI ICE X
- Copper Cray XE6m (Open System)

ARL



AFRL



ERDC



- Armstrong Cray XC30
- **Bean (C)** Cray XC40
- Conrad Cray XC40
- Gordon Cray XC40
- Shepard Cray XC30

Hokule'a – IBM Power8

NAVY





For additional information on each of the Centers and their capabilities, visit https://centers.hpc.mil/



Open Research System (ORS)

- These systems operate entirely at the unclassified level, with neither sensitive nor classified data applications
- The Cray XE6 (Copper) at the ERDC DSRC is the only "open" system
- No sensitive data can be stored or used on Copper
 - A user's government point-of-contact (PL, APL, or Project Government Sponsor) on each project must agree to the Open Systems User Agreement within the Portal to the Information Environment (pIE), stating their work is publicly releasable



HPC Help Desk



- Telephone, user-portal, and email support
- Single ticket tracking system across all sites
- Tier 0 Self-help/Knowledge Management System
- Tier 1 and some Tier 2 support The HPC Help Desk
- Tier 2 support Centers
- Tier 3 support original equipment manufacturers (OEMs), User Productivity Enhancement, Technology Transfer, and Training (PETTT), & Centers

User

Ticketing System

HPC Help Desk

- Help Desk (Tier 1)
- Tier 2

Help Desk Liaisons

@ Centers

- Tiers 2
- Vendors 3



HPC Help Desk



The HPC Help Desk Contact Information http://centers.hpc.mil

Ticket System: https://helpdesk.hpc.mil

E-mail: help@helpdesk.hpc.mil Phone:

1-877-222-2039



HPC Help Desk Hours of Operation

Time Zone	Daylight Savings Time	Standard Time
Eastern	0800-2300	0800-2300
Central	0700-2200	0700-2200
Pacific	0500-2000	0500-2000
Alaska	0400-1900	0400-1900
Hawaii-Aleutian	0200-1700	0300-1800



Summary

- The HPCMP provides a premier highperformance computing ecosystem to the RDT&E and Acquisition Engineering communities, tailored to customer requirements
- A broad range of customer missions are targeted across the DoD
- Strategic engagement with Service/Agency senior leadership to enhance HPCMP linkage with highest mission priorities







