



HPCMP New Users' Guide

“Who Are We?”

HPCMP Vision and Mission

VISION

Our vision is one in which a **pervasive culture** exists within the DOD that drives the routine use of advanced computational environments to solve the Department's most critical mission challenges.

MISSION

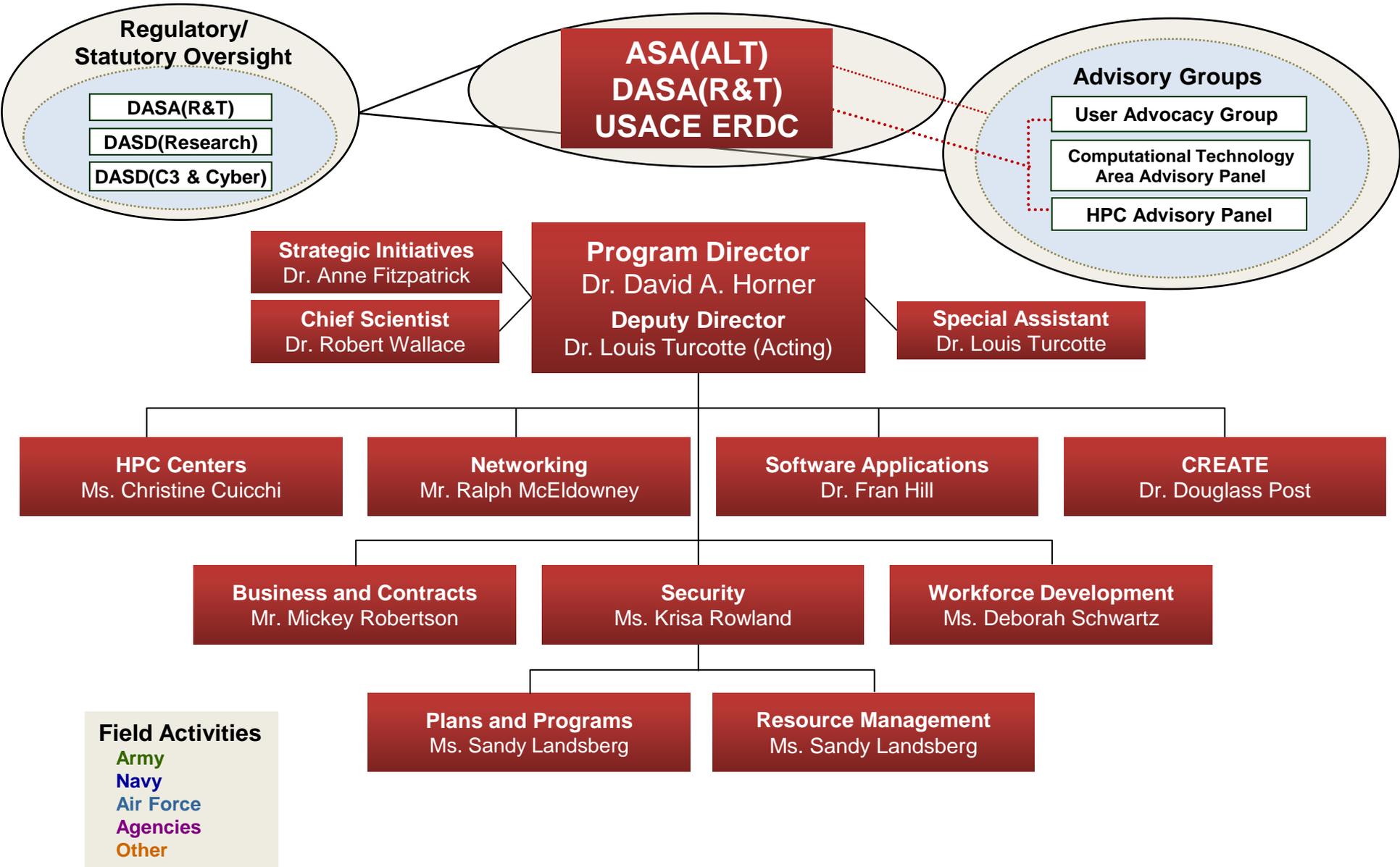
The mission of the DOD HPCMP is to **accelerate** technology development and transition into superior defense capabilities through the strategic application of high performance computing, networking, and computational expertise.

HPCMP Goals

- **Enable warfighting solutions by architecting, deploying and sustaining advanced high performance computational and network capabilities for DOD**
- **Advance DOD mission effectiveness through development and deployment of innovative practices in high performance computing and communications hardware, software, algorithms, services, education, and technical expertise**
- **Contribute as visionaries and thought leaders to the HPC community—advance computational science and its application to DOD needs**



HPCMP Organization Chart



DOD Supercomputing Resource Centers (DSRCs) Systems

- **Lightning** – Cray XC30
- **Predator** – SGI UV
- **Spirit** – SGI ICE X
- **Thunder** (OCT 2015) – SGI ICE X

Air Force Research Laboratory (AFRL) DSRC



- **Pershing** – IBM iDataPlex
- **MRAP (C)** – Cray XT5
- **Hercules (C)** – IBM iDataPlex
- **Excalibur** (MAY 2015) – Cray XC40

Army Research Laboratory (ARL) DSRC



- **Garnet** – Cray XE6
- **Copper (ORS)** – Cray XE6
- **Topaz** (JUL 2015) – SGI ICE X

Engineer Research and Development Center (ERDC) DSRC



- **Riptide** – IBM iDataPlex

Maui High Performance Computing Center (MHPCC) DSRC



- **Armstrong** – Cray XC30
- **Haise** – IBM iDataPlex
- **Kilrain** – IBM iDataPlex
- **Shepard** – Cray XC30
- **Cernan (C)** – IBM iDataPlex
- **Bean** (OCT 2015) – Cray XC40
- **Conrad** (OCT 2015) – Cray XC40

Navy DSRC



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

Open Research System (ORS)

- **These systems operate entirely at the unclassified level, with neither sensitive nor classified data applications**
- **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
- **The Cray XE6 (Copper) at the ERDC DSRC is the only “open” system**

The 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



The 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



The HPC Help Desk Hours of Operation

<i>Time Zone</i>	<i>Daylight Savings Time</i>	<i>Standard Time</i>
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