DDRE (MODERNIZATION) 101

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MY CAREER TRAJECTORY

THE OFFICE OF THE DIRECTOR OF DEFENSE RESEARCH & ENGINEERING FOR MODERNIZATION

- New England to New York
- New York to Pittsburgh, Pennsylvania
- Pittsburgh to Livermore/Silicon Valley, California
- Livermore/Silicon Valley to Washington D.C.
FOCUS ON MODERNIZATION
THE OFFICE OF THE DIRECTOR OF DEFENSE RESEARCH & ENGINEERING FOR MODERNIZATION

THE U.S. IS NOW CHALLENGED TO STRIKE ANY ADVERSARY AT WILL

EQUAL ACCESS TO EMERGING TECHNOLOGIES, SUCH AS AUTONOMY, ARTIFICIAL INTELLIGENCE, AND SYNTHETIC BIOLOGY, WILL DISRUPT FUTURE CONFLICTS

THE U.S. STILL POSSESSES THE BEST MILITARY. HOWEVER, OUR ADVERSARIES’ DELIBERATE ACTIONS MANDATE CHANGE IN WHAT WE BUY AND HOW WE OPERATE

WE MUST DEVELOP NEW LETHAL CAPABILITIES AND ACCELERATE THE PACE IN WHICH WE GET THAT CAPABILITY TO THE WARFIGHTER
DDRE(M) was established in November 2019 to house the modernization priority areas and magnify the Department's technical dominance and support the objectives set forth by the Secretary of Defense and the National Defense Strategy.
ROLES IN DDRE(M)

THE OFFICE OF THE DIRECTOR OF DEFENSE RESEARCH & ENGINEERING FOR MODERNIZATION

DDRE(M) WAS ESTABLISHED TO ADVANCE THE MODERNIZATION PORTFOLIO

- Connect related priorities (i.e. Directed Energy in Hypersonic defense; Microelectronics in FNC3 and 5G, etc.) and provide a consistent framework
- Overall portfolio includes warfighting deliverables, cross-cutting enablers and future potentials
- Focus on U.S. industrial base and workforce — including universities
- Not just closing gaps and identifying overlap, but providing leap-ahead capabilities

PRINCIPAL DIRECTOR (PD)

- The PDs are, by definition, meant to work quickly, set the technical direction for the Department in their area of expertise
- Develop modernization roadmaps
- They ensure the transition of technologies into operational use
DOD RESEARCH AND ENGINEERING ENTERPRISE

CREATING THE TECHNOLOGIES OF THE FUTURE FIGHT

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