



DEPUTY SECRETARY OF DEFENSE
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MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARY OF DEFENSE FOR ACQUISITION
AND SUSTAINMENT

SUBJECT: Energy Supportability and Demand Reduction in Capability Development

In alignment with the 2022 National Defense Strategy, the Department is focused on building a resilient joint force and defense ecosystem, and is supporting interagency efforts on energy and climate resilience. Energy is an enabler of joint military capabilities, and ensuring the availability of sufficient energy supplies will only grow in importance with the development of new energy intensive capabilities designed to sustain and enhance warfighting capability. Distributed operations and contested logistics will challenge the sustainment of combat forces and place a premium on capabilities with longer range, time on station, endurance, and the ability to adapt to evolving energy needs and technology.

Through the Climate Working Group, the Department reviewed its record of applying the statutorily-required energy key performance parameter (KPP) (see title 10, U.S.C., section 2911 note, Consideration of Fuel Logistics Support Requirements in Planning, Requirements Development, and Acquisition Process). The Department assessed the extent to which it applied the energy KPP over 44 joint programs, and found an inconsistent application of the energy KPP and an uneven prioritization of energy supportability across joint programs.

The Department's capability development activities, from requirements to acquisition to sustainment, must increase energy supportability and must reduce energy demand across all capability solutions. The joint capacity to meet the demand for energy needed to employ and sustain a capability in projected scenarios and threat environments should inform the energy performance requirements of all Department systems. To enhance energy supportability and drive energy demand reduction across the Joint Force, I am directing the following actions in the development of new capabilities as well as upgrades to current programs:

- The Secretaries of the Military Departments will assess how capabilities, including Major Capability Acquisition programs, capability modernization efforts, and other technology development programs, are enhancing energy supportability and reducing operational energy demand. The Military Departments also will review energy supportability and energy demand reduction efforts in programs using the Middle Tier of Acquisition pathway. The review will provide information on how fuel and power demands, opportunities for demand reduction, and energy supportability risks were assessed during initial system concepts, analysis of alternatives, development and fielding, or any modernization efforts after fielding. The Under Secretary of Defense for Acquisition and Sustainment (USD(A&S)) will provide guidance on programs to be included in these assessments no later than 14 days from the date of this memorandum, and the interim assessment will be provided by the Secretaries of the Military Departments 90 days thereafter.

- The Chairman of the Joint Chiefs of Staff (CJCS) and the Joint Requirements Oversight Council (JROC) will include requirements for joint force energy supportability, energy demand reduction, and use of an energy KPP in recurring strategic guidance. The Joint Warfighting Concept (JWC) and supporting Functional Battles should consider, and when applicable, include enhanced energy supportability and demand reduction across the future Joint Force in Concept Required Capabilities (CRCs). The JROC should ensure that future Capability Portfolio Management Reviews (CPMRs) of JWC-related CRCs assess energy-related risks and include these assessments in associated JROC Strategic Directives.
- The CJCS and the USD(A&S) will ensure that assessments of energy supportability and demand reduction are conducted and standardized, as appropriate, for all capability development activities within Joint Capabilities Integration and Development System (JCIDS), the defense acquisition process, and upgrades to current systems. These efforts may include changes to directives, instructions, and manuals; enhanced joint visibility over programs with energy supportability risks; adaptations of current oversight mechanisms and venues (e.g., JROC Boards; Defense Acquisition Board; Middle Tier Acquisition Advisory Board; Integrated Acquisition Program Reviews; Contested Logistics Working Group); and/or other changes as appropriate.
- The Secretaries of the Military Departments will develop and distribute templates, procedures, pathfinder or best in class examples, analytical tools, and information on energy initiatives that enhance energy supportability and reduce operational energy demand in new capabilities or upgrades to current programs, to include all systems, subsystems, and systems-of-systems that employ and deploy from host platforms. The Secretaries of the Military Departments shall consider the JCIDS Manual as a baseline for these efforts across the various acquisition pathways and tailor guidance to the specific domains, capabilities, and decision-making processes within each Service.
- The Secretaries of the Military Departments shall support the USD(A&S)-led establishment of a Department-wide recurring reporting framework for energy supportability assessments and demand reduction initiatives in new capabilities. The reporting framework should leverage existing Service and Department data systems and processes as much as possible.

Unless otherwise noted, the responsible components will complete these actions no later than 90 days from the date of this memorandum.

These initiatives are critical to aligning the Department's capabilities with the National Defense Strategy and ensuring joint competitive advantage in the current and future warfighting environment. I appreciate your support.

