



## DoD INSTRUCTION 4120.11

### MOBILE ELECTRIC POWER SYSTEMS

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**Originating Component:** Office of the Under Secretary of Defense for Acquisition and Sustainment

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**Incorporates and Cancels:** DoD Directive 4120.11, "Standardization of Mobile Electric Power (MEP) Generating Sources," April 13, 2004

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**Purpose:** In accordance with the authority in the DoD Directive (DoDD) 5135.02, this issuance:

- Establishes policy, assigns responsibilities, and provides guidance for the development, standardization, acquisition, and management of mobile electric power systems (MEPS) for the DoD.
- Establishes the MEPS Program Office to coordinate acquisition of MEPS.
- Updates and incorporates MEPS procedures.
- Mandates the use of Tactical Microgrid Standards (TMS) in MEPS, as pursuant to Military Standard (MIL-STD)-3071.
- Recognizes the MEPS Joint Standardization Board (JSB) as a forum to coordinate joint interoperability and standardization.
- Takes precedence over all DoD Components publications that contains conflicting guidance regarding MEPS.

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## **SECTION 1: GENERAL ISSUANCE INFORMATION**

### **1.1. APPLICABILITY.**

a. This issuance applies to:

(1) OSD, the Military Departments, the Office of the Chairman of the Joint Chiefs of Staff (CJCS) and the Joint Staff, the Combatant Commands, the Office of Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other organizational entities within the DoD (referred to collectively in this issuance as the “DoD Components”).

(2) Mobile electric power (MEP) equipment that provides primary or back up tactical (120V/240V/480V) power for units training for or conducting operations in contingency locations and expeditionary environments.

(3) All MEP equipment capabilities developed by the DoD, including those using any of the Adaptive Acquisition Framework Pathways (e.g., major capability acquisition, middle tier of acquisition), in accordance with DoD Instruction (DoDI) 5000.02.

b. This issuance does not apply to real property, real property installed equipment, auxiliary power units, aerospace ground support equipment, construction equipment, and equipment or systems that operate in the space environment.

### **1.2. POLICY.** It is DoD policy to:

a. Maintain an interoperable, operationally effective, and reliable MEPS standard family of mobile electric power generating sources (MEPGSs), mobile electric power distribution systems (MEPDSs), mobile electric power storage systems (MEPSSs), and mobile electric power management systems (MEPMSs), as prescribed in MIL-STD-633, which reduces logistic support and improves energy performance in accordance with DoDD 4180.01.

b. Maximize the use of open architecture and open standards in accordance with MIL-STD-3071, which establishes criteria to enable the interoperability of hardware and software necessary to operate a tactical microgrid on the battlefield with respect to the design, intelligent control, stability and performance, security, safety of personnel and equipment, and the protection of the tactical microgrid system and equipment.

c. Maximize the use of the MEPS standard family both in end items and as a component of a system. Deviation requests for non-standard MEPS may be submitted in accordance with this issuance when the acquisition and use of the MEPS standard family is uneconomical, impractical, or will have adverse operational impact.

d. Acquire and maintain a MEPS standard family that:

(1) Reduces energy demand and increases energy supportability in contested operating environments.

(2) Uses common DoD fuels and is qualified to use available commercial-type fuels, including alternative fuels, in accordance with DoDI 4140.25.

(3) Must meet the electrical performance characteristics prescribed in MIL-STD-1332 to ensure alignment with established standards. Employs a modular open systems approach to the maximum extent practicable in accordance with Section 4401 of Title 10, United States Code.

(4) Complies with the use of TMS in accordance with MIL-STD-3071, including contractual language across all MEPS contracts.

e. Emphasize that the planning, acquisition, management, use, and sustainment of the MEPS standard family is integral to doctrine, organization, training, materiel, leadership, personnel, and facilities.

### **1.3. SUMMARY OF CHANGE 1.** The changes to this issuance:

a. Mandate the use of TMS in MEPS in accordance with MIL-STD-3071.

b. Maximize the use of open architectures and open standards in accordance with MIL-STD-3071.

c. Update references and organizational symbols for accuracy.

## **SECTION 2: RESPONSIBILITIES**

### **2.1. UNDER SECRETARY OF DEFENSE FOR ACQUISITION AND SUSTAINMENT (USD(A&S)).** The USD(A&S):

- a. Establishes MEPS policy in coordination with the Under Secretary of Defense for Research and Engineering (USD(R&E)).
- b. As the Defense Acquisition Executive, is the decision authority for deviation requests to use non-standard MEPS for Major Defense Acquisition Programs. The USD(A&S) may delegate this authority in accordance with DoDI 5000.02.
- c. Determines appeals of MEPS deviations pursuant to Section 5.

### **2.2. ASSISTANT SECRETARY OF DEFENSE FOR ENERGY, INSTALLATIONS, AND ENVIRONMENT (ASD(EI&E)).** Under the authority, direction, and control of the USD(A&S), the ASD(EI&E):

- a. Provides oversight and implementing guidance for MEPS.
- b. Considers MEPS requirements in the development of contingency basing policy in accordance with DoDD 3000.10.
- c. Reviews and approves the MEPS Annual Report.
- d. Reviews and makes recommendations to the USD(A&S) on appeals of denials of deviation requests to use non-standard MEPS as described in Section 5.

### **2.3. DIRECTOR, DEFENSE LOGISTICS AGENCY (DLA).** Under the authority, direction, and control of the USD(A&S), and in addition to the responsibilities in Paragraph 2.5., the Director for DLA, performs the integrated materiel management for consumable items related to MEPS in accordance with DoD Manual (DoDM) 4140.26.

### **2.4. USD(R&E).** The USD(R&E):

- a. Coordinates on MEPS policy established by USD(A&S).
- b. Oversees research and development (R&D) related to MEPS interoperability and standardization.
- c. Through the Defense Standardization Executive:
  - (1) Provides procedural and implementation guidance for the standardization of MEPS in accordance with DoDI 4120.24 and DoDM 4120.24.

(2) Provides executive level approval and chartering for the MEPS JSB to maximize interoperability, promote standardization, and conserve resources in accordance with DoDM 4120.24.

(3) Reviews the MEPS Annual Report as well as MEPS JSB membership, progress, and accomplishments.

**2.5. DOD COMPONENT HEADS.** The DoD Component heads:

- a. Use the MEPS standard family to the maximum extent feasible.
- b. Submit deviation requests when the MEPS standard family cannot be used as described in Section 5.

**2.6. SECRETARIES OF THE MILITARY DEPARTMENTS.** In addition to the responsibilities in Paragraph 2.5., the Secretaries of the Military Departments:

- a. Identify, approve, and implement MEPS operational requirements, including open standards in accordance with MIL-STD-3071 and electrical performance in accordance with MIL-STD-1332.
- b. Field MEPS equipment that reduces energy demand and increases energy supportability and resiliency in contested operating environments.
- c. Plan, program, and budget for MEPS requirements.
- d. Submit to the MEPS Program Office by the end of each fiscal year (FY) Planning, Programming, Budgeting, and Execution (PPBE) documentation related to MEPS for the Future Years Defense Program.
- e. Appoint a Service representative to serve on the MEPS JSB, the requirements and responsibilities of which are outlined in Section 4.
- f. May appoint Service representatives to serve in the MEPS Program Office, the requirements and responsibilities of which are outlined in Section 4.
- g. Coordinate, consolidate, and submit Service MEPS requirements through a Service MEPS office.
- h. Develop doctrine and implement guidance consistent with this issuance.
- i. Direct analyses to identify non-materiel solutions to operational energy and contingency basing challenges related to MEPS.
- j. Oversee and conduct analyses during the requirements process to analyze the operational energy demand and logistics supportability of non-standard MEPS against the MEPS standard family.

k. Consider the energy performance and logistics support requirements of operational contract support for MEPS.

l. Incorporate the planning, acquisition, management, use, and sustainment of the MEPS standard family in doctrine, organization, training, leadership, education, and personnel.

**2.7. SECRETARY OF THE ARMY.** In addition to the responsibilities in Paragraphs 2.5. and 2.6., the Secretary of the Army:

a. Is assigned acquiring department and lead standardization activity responsibilities for MEPS.

b. Identifies and implements MEPS operational requirements to include open standards in accordance with MIL-STD-3071 and electrical performance in accordance with MIL-STD-1332.

c. Appoints in writing the program manager (PM), MEPS Program Office.

d. Provides MEPS Program Office funding and manpower.

e. Maintains an open contract with a funding line for procuring the MEPS standard family to accommodate joint requirements.

**2.8. CJCS.** In addition to the responsibilities in Paragraph 2.5., the CJCS:

a. Develops doctrine and implements guidance consistent with this issuance.

b. Maximizes the use of the MEPS standard family across the full range of military operations through joint planning.

c. Assesses and validates MEPS standard family requirements designated as Joint Capabilities Board Interest.

**2.9. COMBATANT COMMANDERS.** In addition to the responsibilities in Paragraph 2.5., the Combatant Commanders:

a. Maximize the use of MEPS, when possible and applicable, in joint and coalition exercises, and in field training exercises that may require contingency power generation.

b. Incorporate the MEPS standard family in guidance and analyses in campaign and contingency planning.

c. Provide feedback to the MEPS Program Office on operational, safety, and reliability issues related to the use of the MEPS standard family.



## **SECTION 3: MEPS PROGRAM OFFICE**

**3.1. GENERAL.** This section provides the responsibilities and functions of the MEPS Program Office, as well as the responsibilities of Service representatives supporting the MEPS Program Office.

**3.2. PM, MEPS PROGRAM OFFICE.** The PM, MEPS Program Office:

- a. Must be equivalent in grade to at least an O-6/GS-15.
- b. Is appointed by the Secretary of the Army.
- c. Executes the PM responsibilities for MEPS in accordance with DoDI 5000.02.
- d. Is responsible for operational aspects of acquisition planning, purchasing, and performing contract administration for the MEPS standard family in accordance with the Defense Federal Acquisition Regulation Supplement (DFARS), Subpart 208.70, and DFARS Procedures, Guidance, and Information 208.70.
- e. Ensures the development and procurement of the MEPS standard family is in accordance with open standards in accordance with MIL-STD-3071, electrical performance in accordance with MIL-STD-1332, and safety standards in accordance with MIL-STD-882.
- f. Executes the lead standardization activity responsibilities for MEPS in accordance with DoDM 4140.24.
- g. Reviews the PPBE documentation related to MEPS provided by the DoD Components.
- h. Reviews and grants deviation requests for use of non-standard MEPS as described in Section 5.
- i. Submits the MEPS Annual Report to the ASD(EI&E) and the Office of the USD(R&E) via the Defense Standardization Program Office.
- j. Serves as chairperson of the MEPS JSB and the MEPS Joint Service Configuration Control Board (JSCCB).
- k. May use any DoD contracting activity for the issuance and award of contract actions supporting the development and procurement of the MEPS standard family.
- l. Is the primary inventory control activity, the primary provisioning agent, and retains configuration management for the MEPS standard family.
- m. Must have Defense Acquisition Workforce Improvement Act Advanced Certification in Program Management (as established in accordance with Chapter 87 of Title 10, United States Code) or capable of obtaining certification within 24 months of assignment to the MEPS Program Office.

**3.3. SERVICE REPRESENTATIVES, MEPS JSB.** The Service representatives assigned to the MEPS JSB:

- a. Must be equivalent in grade to at least to an O-4/GS-13.
- b. May concurrently serve as the Service representative to the MEPS Program Office.
- c. Act as the primary liaison between the MEPS Program Office and their respective Services to ensure:
  - (1) The provision to the MEPS Program Office of Military Service requirements, budget materials, and R&D plans.
  - (2) The timely processing of Military Service deviation requests.
  - (3) The quick resolution of logistics supportability issues for the MEPS standard family.
- d. Ensure that a Service configuration coordinator participates in the MEPS standard family configuration management process.
- e. Assist in the development of the MEPS Annual Report, which may include providing addendums signed by Service MEPS offices addressing the responsiveness of the MEPS Program Office to DoD Component requirements.
- f. Report all MEPS contracts issued in the previous FY and whether each contract included open standards requirements in accordance with MIL-STD-3071 as reported by the Service MEPS offices annually.

**3.4. SERVICE REPRESENTATIVES, MEPS PROGRAM OFFICE.** The Service representatives assigned to the MEPS Program Office:

- a. Must be equivalent in grade to at least an O-4/GS-13.
- b. Serve as product managers or assistant product managers.
- c. Must have Defense Acquisition Workforce Improvement Act Advanced Certification in Program Management (as established in accordance with Chapter 87 of Title 10, United States Code); or capable of obtaining certification within 24 months of assignment to the MEPS Program Office.

## **SECTION 4: PROGRAM MANAGEMENT**

**4.1. GENERAL.** This section provides guidance for the acquisition and planning of MEPS, R&D related to MEPS, and the development of the MEPS Annual Report.

### **4.2. PPBE DOCUMENTATION.**

- a. DoD Components will submit budget documentation to the MEPS Program Office annually for the Future Years Defense Program no later than September and will include the projects, tasks, objectives, and R&D related to MEPS.
- b. Prior to the end of each FY, the MEPS Program Office will review the planned R&D related to MEPS provided by the DoD Components.
- c. The MEPS Program Office will make available PPBE documentation, including planned R&D related to MEPS, to the MEPS JSB Service representatives.

### **4.3. ACQUISITION AND PLANNING.**

- a. Prior to the initial acquisition milestone (typically Milestone A or B), DoD Component PMs that require MEPS as a sub-system or stand-alone end item for a program will coordinate with their Service MEPS office to evaluate the adaptability of the MEPS standard family to meet the program's power requirements.
- b. After evaluation, the DoD Component will either:
  - (1) Submit a memorandum to its Service MEPS office stating the intent to use the MEPS standard family with the program requirements; or
  - (2) Initiate a deviation request to use a non-standard MEPS, as described in Section 5.
- c. The milestone decision authority (MDA) will ensure compliance with this issuance at each milestone review.

**4.4. ENGINEERING CHANGE PROPOSALS (ECPS).** The MEPS Program Office will pay the costs of maintaining technical data packages and support documents for the MEPS standard family, which will be stored in a data repository. If provisioning is initiated, design change notices will be included in the data and documentation.

### **4.5. MEPS STANDARD FAMILY ADDITIONS.**

- a. DoD Components may request the MEPS Program Office add a non-standard MEPS to the MEPS standard family. The MEPS Program Office may also initiate a program for inclusion in the MEPS standard family.

b. Non-standard MEPS and new programs considered for inclusion in the MEPS standard family will:

- (1) Undergo review and adjudication by the MEPS JSB.
- (2) Be assigned a joint staffing designator of Joint Capabilities Board Interest in accordance with the Joint Capabilities Integration and Development System Manual.
- (3) Be in accordance with open standards in accordance with MIL-STD-3071 and electrical performance in accordance with MIL-STD-1332.

#### **4.6. MEPS ANNUAL REPORT.**

a. Annually, after the end of the FY but no later than January 1 of the next FY, the MEPS Program Office will submit to the ASD(EI&E) and the Office of the USD(R&E), via the Defense Standardization Program Office, the MEPS Annual Report for the previous FY, which will:

- (1) Report the status of the MEPS standard family.
- (2) Document and explain any changes from the previous year, to include any new MEPS requirements.
- (3) List all deviation requests received, including adjudication and rationale.
- (4) Include an overview of all existing and planned R&D related to MEPS.
- (5) List active production contracts.
- (6) Report all MEPS contracts issued in the previous FY and whether each contract included open standards requirements in accordance with MIL-STD-3071 as reported by the Service MEPS offices annually.
- (7) Include any other information deemed relevant by the MEPS Program Office.

b. The MEPS Annual Report may include addendums prepared and signed by Service MEPS offices addressing the responsiveness of the MEPS Program Office to DoD Component requirements.

c. The ASD(EI&E) will review and approve the MEPS Annual Report and may provide written feedback and guidance, if applicable, to the MEPS Program Office.

#### **4.7. OTHER REQUIREMENTS.**

a. The MEPS Program Office will maintain a record of all MEPS deviation requests and decisions which will be made available to the MEPS JSB Service representatives for reference.

b. The MEPS Program Office will arrange the loan or sale of equipment from the MEPS standard family for evaluation tests.

## **SECTION 5: DEVIATION REQUESTS AND APPEALS**

**5.1. GENERAL.** This section provides the process to submit and review deviation requests and to appeal denied deviation requests.

### **5.2. DEVIATION REQUESTS.**

**a. Submittal.** If, after coordination with its Service MEPS office as described in Paragraph 4.3., a DoD Component intends to submit a deviation request, the DoD Component will:

- (1) Provide:
  - (a) The rationale for why the MEPS standard family will not meet requirements.
  - (b) A cost benefit analysis that considers life cycle cost.
  - (c) A logistics supportability analysis.

(2) Submit a deviation request to the MEPS Program Office in coordination with its Service MEPS office.

**b. Review.** The MEPS Program Office will review and evaluate the deviation request within 60 calendar days of receipt according to the following attributes to confirm that the MEPS standard family cannot meet the specified requirements:

- (1) Performance and reliability requirements.
- (2) Timely availability of the MEPS standard family.
- (3) Life cycle cost.
- (4) Logistics supportability.
- (5) Environmental requirements.

**c. Decision.** After review, the MEPS Program Office will either approve or deny the deviation request and will inform the DoD Component and its Service MEPS office of the decision. If the deviation request is denied, the DoD Component may appeal the decision.

### **5.3. APPEALS.**

**a.** If a DoD Component intends to appeal a denied deviation request, the DoD Component will:

- (1) Immediately notify the MEPS Program Office of the intent to appeal the decision.

(2) Prepare a memorandum providing the rationale and justification for why the deviation request should be approved.

(3) For acquisition category II programs and lower, through their Service MEPS office and their MDA, submit the appeal through the MEPS Program Office to the MEPS Program Office Component Acquisition Executive (CAE), also referred to as the Army Acquisition Executive.

(4) For acquisition category I programs, through their Service MEPS office, their MDA, and their CAE, submit the appeal through the MEPS Program Office to the ASD(EI&E), who will provide a final recommendation to the USD(A&S).

b. The MEPS Program Office will process all appeals and make recommendations to approve or deny appeals.

c. The USD(A&S) will make a final appeal decision and inform the DoD Component, the MEPS Program Office CAE, and the MEPS Program Office.

## **SECTION 6: CONTRACT AND PRODUCTION**

**6.1. GENERAL.** This section prescribes procedures to accomplish the responsive and economical acquisition of the MEPS standard family by the MEPS Program Office. Both the contracting activity and the MEPS Program Office will collectively be involved in deliberations and decisions for contract planning, solicitation and award, contract administration and contractor monitoring, and discussion or recommendation for contract termination.

### **6.2. DEVELOPMENT OF CONTRACT REQUIREMENTS.**

a. Requiring activities will submit procurement requirements to the MEPS Program Office as funded for the execution year via a military interdepartmental purchase request (MIPR) or a direct charge request, if the requiring activity is an Army organization.

b. The MEPS Program Office, using the PPBE documentation described in Section 4, will:

- (1) Consolidate requirement quantities.
- (2) Determine acquisition actions required to meet procurement objectives and coordinate these actions with the assigned contracting activity or office.
- (3) Develop and coordinate the MEPS 5-year acquisition plan with each requiring and contracting office during the first quarter of each FY.

**6.3. CONTRACT OR DELIVERY ORDER SCHEDULE.** Within 90 calendar days after accepting all funded MIPRs for a specific acquisition, the MEPS Program Office will submit to the requiring activity the anticipated award date for the contract or delivery order, as well as anticipated delivery dates.

**6.4. SOLICITATIONS.** The MEPS Program Office will issue solicitations for equipment in the MEPS standard family in accordance with the applicable acquisition authorities.

### **6.5. ACQUISITION MANAGEMENT DATA.**

**a. Acquisition Documents.** Contracting organizations will furnish to the MEPS Program Office copies of the following documents:

- (1) The solicitation document and amendments.
- (2) Pre-award survey requests.
- (3) The contract and subsequent contract modifications.
- (4) Notice of any delay in contract award with prognosis and new target award date.

- (5) Congressional inquiries.
- (6) All documentation related to protests, government responses, or General Accounting Office inquiries and decisions.
- (7) Pertinent facts on termination for convenience, termination for default, and termination for cause.
- (8) On request, other data and documents required by the MEPS Program Office.

**b. Termination of Contracts.**

- (1) MEPS standard family contracts will not be terminated without prior notice to, and in coordination with, the MEPS Program Office.
- (2) The MEPS Program Office will be fully involved in deliberations and decisions for recommended termination for convenience, default, or cause and for planned re-contracting, if applicable.



## **SECTION 7: LOGISTICS SUPPORT**

**7.1. GENERAL.** This section prescribes procedures to accomplish an effective product support strategy to influence MEPS standard family material design to reduce support structure requirements, develop optimal product support package at deployment, and provide optimal long term materiel sustainment.

### **7.2. INTEGRATED PRODUCT SUPPORT.**

**a. Overview.** Product Support Management Integrated Product Teams (IPTs) will accomplish integrated product support. The Product Support Management IPT plans, develops, and implements optimal product support strategies and includes representatives from material commands, test and evaluations, training, support depots, capability developers, DLA, and other activities as appropriate.

#### **b. MEPS Program Office Responsibilities.**

(1) Ensure that passage of a MEPS program from one life cycle phase to the next occurs only when product support requirements have been satisfactorily accomplished and are documented in the life cycle sustainment plan (LCSP).

(2) Develop and maintain an integrated product strategy and LCSP over each MEPS program entire life cycle.

(3) Lead the Product Support Management IPT. Convene and chair all meetings and conferences to coordinate product support strategies. Resolve disagreements and, as required, revise strategy and the LCSP based on analyses, tradeoffs, and information from contributing agencies.

(4) Regularly compare actual product support performance to operational needs, and develop and implement corrective action as necessary.

#### **c. DoD Requiring Component Responsibilities.**

(1) Participate as required in MEPS Product Support Management IPT meetings to represent requirements and interests.

(2) Review the product support strategies and LCSP updates for the MEPS standard family, recommending changes as required.

### **7.3. INITIAL PROVISIONING.**

**a. Overview.** Actual MEPS standard family claimants will participate in the provisioning phase conferences. Potential MEPS standard family claimants may annotate the provisioning technical documentation and mail it to the conference chairperson in place of attending the

source coding conference. The chairperson will resend the list to conferees for consideration during development of the joint provisioning support list. The chairperson will work to achieve consensus among the Military Services but may allow differences when consensus cannot be obtained.

**b. Budgeting and Funding.**

(1) DoD Component claimants will budget and fund for:

(a) Support requirements for retail stocks, contingency plans, and prepositioned war reserve repair parts stocks.

(b) All maintenance and repair requirements.

(2) The MEPS Program Office will budget and fund for initial wholesale repair part stocks.

**c. Support Items.** Initial support items and replenishment support items will be supplied on a reimbursable basis.

**d. MEPS Program Office Responsibilities.**

(1) Convene and chair all meetings and conferences; set conference requirements.

(2) Furnish provisioning technical documentation showing the production configuration to each claimant and potential claimant.

(3) Submit a request for provisioning screening to DLA.

(4) Assure conformance of requirements for all DoD Component needs.

(5) Resolve conflicts between the DLA and DoD Components relative to item management coding, cataloging, and other provisioning issues.

(6) Inform all claimants and potential claimants of any changes to milestone dates.

(7) Lead and assure coordination of provisioning requirements for inclusion in MEPS standard family solicitations and contract awards.

**e. DoD Requiring Component Responsibilities.**

(1) Participate in provisioning and provisioning conferences and data calls, as required.

(2) Review the provisioning list furnished.

(3) Submit a funded MIPR with appropriate “ship-to/mark-for” instructions to cover the initial support requirements.

#### **7.4. MANAGEMENT OF TECHNICAL MANUALS (TMS).**

**a. Overview.** TMs for the MEPS standard family will be joint-use publications, will bear the identification number and authentication of each applicable DoD Component, and will be developed in accordance with MIL-STD-40051. Operator manuals, lubrication orders, and warranty bulletins, if printed separately, are packed with each end item. Additional TM requirements will be distributed and stocked by each DoD Component for its own resupply purposes under its own procedures. The use of electronic TMs, automatic identification technology, and interactive electronic TMs is encouraged.

##### **b. MEPS Program Office Responsibilities.**

(1) Exercise leadership over the development, coordination, printing, and distribution of joint-use TMs for the MEPS standard family.

(2) Maintain TMs for the MEPS standard family through the life cycle of the item.

(3) Plan, program, budget, and fund the maintenance of TMs for the MEPS standard family.

(4) Review and evaluate TM deficiency notices submitted by stakeholders and determine the type of change required, if any, and update TMs in a timely manner.

##### **c. DoD Requiring Component Responsibilities.**

(1) Identify and obtain MEPS standard family TM requirements and distribute under its own procedures.

(2) Submit MEPS standard family joint-use TM deficiency notices using existing TM deficiency reporting systems.

(3) Obtain written consent of the MEPS Program Office for any unique supplement to joint-use TMs for the MEPS standard family.

## **SECTION 8: CONFIGURATION AND DATA MANAGEMENT**

**8.1. GENERAL.** This section provides for the configuration management and data management for the MEPS standard family.

### **8.2. PRINCIPLES.**

**a. Management Standards.** The MEPS Program Office will use a configuration and data management approach to establish and control product attributes and the technical baseline across the total system life cycle in accordance with DoDI 5000.02. The MEPS Program Office will adhere to discretionary configuration and data management best practices described in the Defense Acquisition Guidebook.

**b. Configuration Management Plan.** The MEPS Program Office will coordinate and maintain a configuration management plan that details the procedures and responsibilities for configuration control of the MEPS standard family.

**c. Configuration Changes and Approval Authority.** The MEPS Program Office will maintain, provide, and make available identifying numbers of ECPs, value engineering change proposals (VECPs), modification work orders (MWOs), and requests for variances (RFVs).

(1) The approval authority for ECPs, VECPs, MWOs, and all RFVs (critical or major (see Federal Acquisition Regulation Subpart 46.101 for definitions of critical, major, and minor nonconformance)) is the Chair of the JSCCB.

(2) The approval authority for minor ECPs is the product manager. Copies of approved documents will be submitted to the Chair and all members of the JSCCB.

**d. Status Accounting.** The MEPS Program Office monitors the configuration status accounting and reporting system throughout the life cycle of the configuration item.

### **8.3. JSCCB.**

a. The MEPS Program Office will maintain a record of all MEPS deviation requests and decisions, available to the MEPS JSB Service representatives for reference.

b. The MEPS Program Office will arrange the loan or sale of equipment from the MEPS standard family for evaluation tests.

c. All major ECPs, MWOs, and VECPs, as well as critical and major RFVs, will be evaluated by the JSCCB. Minor ECPs and RFVs may be submitted directly to the Chair of the JSCCB for evaluation.

d. If the JSCCB cannot render a change configuration decision within the time specified in a proposal, the configuration coordinator will inform the procuring contracting office as soon as possible so the procuring contracting office may acquire a new reply date and state the impact of the delay.

## GLOSSARY

### G.1. ACRONYMS.

ACRONYM	MEANING
ASD(EI&E)	Assistant Secretary of Defense for Energy, Installations, and Environment
CAE	Component acquisition executive
CJCS	Chairman of the Joint Chiefs of Staff
DFARS	Defense Federal Acquisition Regulation Supplement
DLA	Defense Logistics Agency
DoDD	DoD directive
DoDI	DoD instruction
DoDM	DoD manual
ECP	engineering change proposal
FY	fiscal year
IPT	integrated product team
GS	general schedule
JSB	Joint Standardization Board
JSCCB	Joint Service Configuration Control Board
LCSP	life cycle sustainment plan
MDA	milestone decision authority
MEP	mobile electric power
MEPDS	mobile electric power distribution system
MEPGS	mobile electric power generating source
MEPMS	mobile electric power management system
MEPS	mobile electric power system(s)
MEPSS	mobile electric power storage system
MIL-STD	military standard
MIPR	military interdepartmental purchase request
MWO	modification work order
PM	program manager
PPBE	Planning, Programming, Budgeting, and Execution
R&D	research and development

ACRONYM	MEANING
RFV	request for variance
TM	technical manual
TMS	Tactical Microgrid Standards
USD(A&S)	Under Secretary of Defense for Acquisition and Sustainment
USD(R&E)	Under Secretary of Defense for Research and Engineering
VECP	value engineering change proposal

**G.2. DEFINITIONS.** Unless otherwise noted, these terms and their definitions are for the purpose of this issuance.

**acquiring department.** Defined in the DFARS, Subpart 208.70.

**auxiliary power unit.** An internal electrical power system on a mobile platform such as an aircraft or vehicle that provides power for functions other than propulsion.

**energy performance.** Defined in DoDD 4180.01.

**integrated materiel management.** Defined in DoDM 4140.68.

**MEPS.** A system of interoperable components providing reliable electric power that consists of any of the following: MEPDS, MEPGS, MEPMS, and MEPSS. MEPS include Federal Supply Class 6115, 6116, 6117 6120, 6135, and 6150.

**MEPDS.** Equipment necessary to distribute power from MEPGS to equipment that requires electric power.

**MEPGS.** An electrical power generating system that is skid-mounted, wheel-mounted, or man-portable that may be an end-item or a component of an end-item, and that is capable of independently producing electric power.

**MEPMS.** A system that is a component of a tactical microgrid or hybrid system that controls MEPS and may control electrical loads to efficiently manage energy consumption.

**hybrid system.** A power system that uses multiple types of power sources, which may include energy storage or alternative energy sources.

**tactical microgrid.** A readily deployable configuration of interconnected MEPS using multiple power sources that functions as a single controllable system to provide electricity, and may utilize power storage and alternative energy sources.

**MEPSS.** A storage device that receives power from MEPS, stores energy, and provides power to MEPS, but does not include uninterruptible power supplies intended for end-item application; starting/lighting/ignition batteries; or Soldier-worn batteries.

**primary inventory control activity.** Defined in DoDM 4140.68.

**real property.** Defined in DoDI 4165.14.

**real property installed equipment.** Defined in DoDI 4165.14.

**requiring component.** The department, agency, or General Services Administration which has contracting responsibility under the Coordinated Acquisition Program.

**space environment.** Defined in the DoD Dictionary of Military and Associated Terms.



## REFERENCES

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DoD Instruction 4120.24, “Defense Standardization Program,” March 31, 2022  
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DoD Instruction 4165.14, “Real Property Inventory and Reporting,” September 8, 2023  
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DoD Manual 4120.24, “Defense Standardization Program (DSP) Procedures,” September 24, 2014, as amended  
DoD Manual 4140.26, “DoD Integrated Materiel Management for Consumable Items,” June 10, 2021  
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Federal Acquisition Regulation, current edition  
Joint Capabilities Integration and Development System Manual, current edition  
Military Standard MIL-STD-633, “Standard Family of Mobile Electric Power Generating Sources General Description Information and Characteristic Data,” July 16, 2024  
Military Standard MIL-STD-882, “System Safety,” September 27, 2023  
Military Standard MIL-STD-1332, “Definitions of Tactical, Prime, Precise, and Utility Terminologies for Classification of the DOD Mobile Electric Power Engine Generator Set Family,” August 21, 2024  
Military Standard MIL-STD-3071, “Tactical Microgrid Communications and Control,” January 23, 2023, as amended  
Military Standard MIL-STD-40051, “Preparation of Digital Technical Information for Technical Manuals (IETMs),” March 25, 2025  
Office of the Chairman of the Joint Chiefs of Staff, “DoD Dictionary of Military and Associated Terms,” current edition  
United States Code, Title 10, Section 4401