



Department of Defense

# DIRECTIVE

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DDR&E

SUBJECT: Manufacturing Technology (ManTech) Program

References: (a) DoD Instruction 4200.15, "Manufacturing Technology Program," May 24, 1985 (hereby canceled)  
(b) Section 2521 of title 10, United States Code  
(c) Section 2374 of title 10, United States Code  
(d) DoD 7000.14-R, "Department of Defense Financial Management Regulations," June 2000  
(e) through (g), see enclosure 1

## 1. REISSUANCE AND PURPOSE

This Directive:

1.1. Cancels reference (a).

1.2. Implements references (b) and (c) to establish policy and assign responsibility for DoD Manufacturing Technology (ManTech) Program activities.

## 2. APPLICABILITY

This Directive applies to the Office of the Secretary of Defense, the Military Departments, the Chairman of the Joint Chiefs of 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 Department of Defense (hereafter referred to collectively as the "DoD Components").

### 3. POLICY

It is DoD policy to rely on private sector investment and the "free enterprise" system to provide the manufacturing technology necessary to produce DoD materiel. There are cases, however, when qualified segments of industry cannot or will not commit private funds to establish manufacturing technology and make it available on a timely basis in support of DoD requirements. Accordingly, ManTech investments shall be directed at improving the quality, productivity, technology, and practices of businesses and workers providing goods and services to the Department of Defense. In addition, investments in ManTech shall:

- 3.1. Aid in the economical and timely acquisition and sustainment of weapon systems and components.
- 3.2. Ensure that advanced manufacturing processes, techniques, and equipment are available for reducing DoD materiel acquisition, maintenance, and repair costs.
- 3.3. Advance the maturity of manufacturing processes to bridge the gap from research and development advances to full-scale production.
- 3.4. Promote capital investment and industrial innovation in new plants and equipment by reducing the cost and risk of advancing and applying new and improved manufacturing technology.
- 3.5. Ensure that manufacturing technologies used to produce DoD materiel are consistent with safety and environmental considerations and energy conservation objectives.
- 3.6. Provide for the dissemination of Program results throughout the industrial base.
- 3.7. Sustain and enhance the skills and capabilities of the manufacturing work force, and promote high levels of worker education and training.
- 3.8. Meet other national defense needs within the guidance contained at enclosure 2.

### 4. RESPONSIBILITIES

4.1. The Director, Defense Research and Engineering, under the authority, direction, and control of the Under Secretary of Defense for Acquisition, Technology, and Logistics, shall:

4.1.1. Provide centralized guidance and direction for the ManTech Program within the Department of Defense and ensure that it is executed in accordance with this Directive and references (b) through (g);

4.1.2. Develop and maintain a joint planning process, and use that process in preparing centralized program guidance.

4.1.3. Prepare an annual 5-year plan as defined by reference (b).

4.1.4. Ensure coordination between the ManTech Program and industrial preparedness and similar manufacturing programs of the Department of Defense, other Departments and Agencies, and the private sector.

4.2. The Heads of the DoD Components shall:

4.2.1. Organize and execute a ManTech Program in accordance with the provisions of this Directive and supplemental guidance published by the Director, Defense Research and Engineering; and

4.2.2. Provide an adequately staffed ManTech Program management structure responsible for promoting and achieving ManTech Program objectives.

4.2.3. Ensure coordination between ManTech projects and industrial preparedness programs, and similar manufacturing projects of the Department of Defense, other Departments and Agencies, and the private sector.

## 5. INFORMATION REQUIREMENTS


5.1. The DoD Components shall provide budget (detailed and summary) information to the OSD in accordance with reference (c).

5.2. The DoD Components shall prepare a technical report describing deliverables received and activity conducted for each ManTech project for which funds have been expended. This report shall be submitted to the Defense Technical Information Center.

5.3. Each DoD Component shall submit ManTech Program information as needed to develop the annual 5-year plan and to support other information requirements needed to satisfy reference (b).

6. EFFECTIVE DATE

This Directive is effective immediately.



Paul Wolfowitz  
Deputy Secretary of Defense

Enclosures - 2

- E1. References, continued
- E2. Guidance for the ManTech Program

E1. ENCLOSURE 1

REFERENCES, continued

- (e) DoD Directive 5000.1, "The Defense Acquisition System," October 23, 2000
- (f) DoD Instruction 5000.2, "Operation of the Defense Acquisition System," April 5, 2002
- (g) DoD 5000.2-R, "Mandatory Procedures for Major Defense Acquisition Programs (MDAPs) and Major Automated Information System (MAIS) Acquisition Programs," April 5, 2002

E2. ENCLOSURE 2

GUIDANCE FOR THE MANTECH PROGRAM

E2.1. INVESTMENTS

ManTech Program investments shall be directed toward areas of greatest need and potential benefit. Individual ManTech Program investments shall be selected by addressing the following:

E2.1.1. Projected requirements emerging from science and technology programs anticipated entering the systems acquisition process.

E2.1.2. Current industrial improvements in production, maintenance, repair costs, and industrial base responsiveness, including enhancement of in-house facilities, e.g., depots and shipyards.

E2.1.3. The potential to reduce costs, improve performance and responsiveness by advancing manufacturing technology. Maximum potential benefits from each ManTech Program investment shall be sought by ensuring that:

E2.1.3.1. There is a well-defined DoD requirement for the technology.

E2.1.3.2. The technology has been demonstrated in the laboratory environment as being feasible and can be delivered in time to meet the requirement.

E2.1.3.3. Anticipated investment results are applicable to more than one weapon system, component, or end item.

E2.1.3.4. There is a specific plan to implement, transition, and insert the results of the investment.

E2.1.3.5. The potential for multi-DoD Component-sponsored investments has been investigated.

E2.1.3.6. The proposed investment is not unnecessarily duplicative of other activities, both within and outside the ManTech Program.

E2.1.3.7. An assessment is made to determine if manufacturers of manufacturing equipment should be involved in projects.

E2.1.3.8. Competitive procedures shall be used in accordance with reference (d) for awarding all grants and entering into all contracts, cooperative agreements, and

other transactions under the program. One of the evaluation factors shall be that the transaction provide for the proposed recipient to share in the cost of the project. For a project that the Government receives an offer from one offeror, the contracting officer shall negotiate a sharing ratio that represents the best value to the Government.

## E2.2. RESTRICTIONS

ManTech Program funds may not be used for investments more appropriately funded by other means, such as:

E2.2.1. Routine application of existing technology for the production of specific equipment, manufacturing systems, or parts.

E2.2.2. Investments specifically intended to change an end item's design.

E2.2.3. Purchase of off-the-shelf capital equipment, unless it constitutes a minor portion of the investment and is required to establish the first-case application of the ManTech Program deliverable.

E2.2.4. Purchase of capital facilities.

E2.2.5. Implementation of manufacturing technology beyond the first-case application.

E2.2.6. A technology application unique to a single weapon system.

## E2.3. REQUIREMENTS

The DoD Components shall clearly define project goals, objectives, milestones, and implementation plans for each project prior to project execution, and monitor the progress during project execution. Expected users of the technology or process shall participate in the project monitoring. ManTech Program effectiveness shall be evaluated by identifying and quantifying benefits resulting from the implementation of ManTech Program deliverables.