



Navy Manufacturing Technology (ManTech) Program ManTech 101

Navy ManTech funds projects that develop and improve manufacturing processes to reduce the cost of building and repairing naval platforms.

Navy ManTech resources are focused on key, high priority acquisition platforms. For FY16, the platforms for investment will include: CVN 78 Class carrier; DDG 51 Class destroyer; VIRGINIA Class Submarine / OHIO Replacement Program; Joint Strike Fighter (JSF); and CH-53K.

ManTech projects that have cost reduction as the primary benefit are the most likely to be funded. Not all proposed ManTech projects can be funded. Resources are limited. To improve the chance of funding:

- Make sure the project qualifies as ManTech
- Specify the cost savings and how they will be achieved

To qualify as ManTech, the proposed project must:

- Have a well-defined Navy need
- Be completed in time to address that need
- Result in a technology that is not proprietary
- Involve the application or improvement of a previously demonstrated manufacturing process or procedure
- Be beyond the normal risk of industry to accomplish on its own

Each ManTech project must have:

- A specific objective
- Specific technical goals to achieve the objective
- Clearly defined benefit (usually cost reduction)
- A timely schedule
- A plan for transition and implementation of the results

ManTech funds MAY NOT be used for investments more appropriately funded by other means, such as:

- Routine application of existing technology for the production of specific equipment, manufacturing systems, or parts
- Investments specifically intended to change a design
- Purchase of capital equipment, unless it constitutes a minor portion of the investment and is required to establish the first-case application of the ManTech project results
- A technology application unique to a single weapon system or naval platform

Decisions on funding of ManTech projects are based on:

- Platform need
- Priority of that platform in the Navy
- Risks including:
 - Project technical risks
 - Level of approvals needed to implement the results after project completion
 - Non-ManTech funding needed after project completion to implement such as:
 - Capital Equipment expense
 - Certification testing

Navy ManTech maintains seven Centers of Excellence (COEs) that are focal points for specific technology areas for the development and transition of manufacturing processes and equipment.

The Navy ManTech COEs:

- Execute projects; manage project teams
- Serve as corporate expertise in technological areas

ManTech Project Check List

- Fits Within Navy ManTech Mission Statement
 - Develop enabling manufacturing technology --new processes and equipment -- for implementation on DoD weapon system production lines
- Total Funding Amount >\$100K and <\$5M; reasonable ROI
- Solution Will be an Implemented Process/Product
- A Clearly Defined Transition Path
- Any Certification is Defined and Planned Resources Available
- Has Identified (and can Secure) Non-ManTech Transition/Implementation Resources
- Capital Equipment Requirements Recognized
- Implementation Matches Production Insertion Schedule