

MARITIME APPLIED PHYSICS CORPORATION

QUALITY ASSURANCE

Quality Policy

Maritime Applied Physics Corporation is committed to the continual improvement of the value of products and services. Our goal is to deliver exceptional value, high quality, innovative products that meet or exceed customer requirements or expectations while always operating fairly and honestly with customers, suppliers and employees.

Quality Objectives:

- Maximize customer satisfaction through innovative products and excellent service and on-time delivery.
- Ensure cost-effective operations by lean manufacturing, improving productivity and reducing waste.
- Maintain systems to comply with statutory and regulatory requirements.
- Expand programs for effective training of employees to support team awareness and competence.
- Monitor and measure product and process characteristics to verify that requirements have been met.
- Maintain a safe and secure facility.

To reach our objectives, we will continue to concentrate on quality with the extensive dedication, commitment and teamwork of all MAPC employees.

President: Mark S. Rice, PE

Corporate Overview

Since 1986, MAPC has specialized in the rapid prototyping of complex technologies and systems with an emphasis on rapid design and engineering integrated with shop fabrication of hardware or electronic systems. MAPC has taken the approach of structuring our QC effort to respond to the levels of documentation required by each contract and specification in order to remain competitive. With the award of programs like the Light Weight Wide Aperture Array (LWWAA) and DDG 1000 Flight Deck Safety and Turning Gear Systems, MAPC has expanded the Quality effort to encompass the DDG 1000 contract requirements, building on lessons learned from Industry/DoD Quality guidance and standards.

While our early history was built on engineering services work, we have expanded into engineered products, due in part to more than 25 awards under the Small Business Innovation Research (SBIR) program. One of the company's greatest assets is its staff of employee owners, approximately half of whom are fabricators and half of whom are engineers and business managers.

Our primary facility is in Baltimore, Maryland where we have a 56,000 square foot engineering and fabrication facility. MAPC has an additional 10,600 square foot location in Brunswick, ME. Our Baltimore facilities contain machining, welding, metal forming, and composite fabrication equipment as well as engineering offices. Our Brunswick facilities contain engineering offices as well shop space for production, assembly, and warehouse storage.

Quality Assurance Program

MAPC embeds quality assurance within a traditional engineering services structure. Engineering projects are assigned to a senior level engineer who serves as an internal technology coordinator and mentor and as the external conduit between the company and sponsor. Programs are monitored at a tactical level in real time and also at a strategic level through periodic management reviews that address critical metrics, schedule milestones, technology maturation, finance and manpower.

The QA program for the engineering effort is implemented by following an ISO 9001:2008 compliant structure. Contracts are evaluated on an individual basis to determine sponsor and customer requirements, and an individual QA plan is established and implemented for each program while maintaining a common structure. Programs are evaluated by following a general outline:

- Develop a Quality Management Program plan for the contract;
- Coordinate with key stakeholders to establish quality objectives, determine frequency of assessments and reporting polices;
- Establish critical monitoring metrics for program objectives;
- Establish supplemental quality management processes and procedures to support monitoring and assessment of performance;
- Flow requirements on to subcontractors and vendors ;
- Establish Configuration Management Requirements;

- Establish and conduct periodic Management and Quality Reviews as dictated by the scope of the program.

Maintaining flexibility within the MAPC Quality Assurance Program allows rapid and cost effective response to a variety of engineering tasks and program scopes from small short-term programs to rigorous DoD production contracts. MAPC follows a traditional Quality Management System model designed to provide continual improvement.

