Nuclear Systems & Solutions

Executing **Certified Performance**

**Lockheed Martin offers certified performance, lean processes and Six Sigma capabilities — delivering on customer value in products and services.**

Using industry-specific disciplined principles and tools; we continue to achieve world-class levels.

**10 CFR 50 Appendix B Quality Management System**


Appendix B Code of Federal Regulations defines the minimum quality assurance requirements for U.S. civil nuclear power plants.

Nuclear power plants and fuel reprocessing plants include structures, systems and components that prevent or mitigate the consequences of postulated accidents that could cause undue risk to the health and safety of the public. This appendix establishes quality assurance requirements for the design, manufacture, construction, and operation of those structures, systems, and components. The pertinent requirements of this appendix apply to all activities affecting the safety-related functions of those structures, systems, and components. These activities include designing, purchasing, fabricating, handling, shipping, storing, cleaning, erecting, installing, inspecting, testing, operating, maintaining, repairing, refueling and modifying.

The topics covered by Appendix B are: Organization; Quality Assurance Program; Design Control; Procurement Document Control; Document Control; Control of Purchased Material, Equipment, and Services; Identification and Control of Materials, Parts, and Components; Control of Special Processes; Inspection; Test Control; Control of Measuring and Test Equipment; Handling, Storage, and Shipping; Inspection, Test, and Operating Status; Nonconforming Materials, Parts, or Components; Corrective Action; Quality Assurance Records; and Audits.
A company or organization that has been independently audited and certified to be in conformance with ISO 9001 may publicly state that it is “ISO 9001 certified” or “ISO 9001 registered.” ISO 9001:2000 Quality Management Systems – Requirements is intended for use in any organization which designs, develops, manufactures, installs and/or services any product or provides any form of service. It provides a number of requirements which an organization needs to fulfill if it is to achieve customer satisfaction through consistent products and services which meet customer expectations. Lockheed Martin is certified to ISO 9001:2000.

ISO 14000 Environmental Management System

ISO 14001 is the international specification for an Environmental Management System (EMS). It specifies requirements for establishing an environmental policy, determining environmental aspects and impacts of products/activities/services, planning environmental objectives and measurable targets, implementation and operation of programs to meet objectives and targets, checking and corrective action, and management review. ISO 14000 is similar to ISO 9001 quality management in that both pertain to the process (the comprehensive outcome of how a product is produced) rather than to the product itself.

2005 Recipient: Shingo Prize for Manufacturing Excellence

The Shingo Prize is regarded as the premier manufacturing award recognition program for North America. As part of the Shingo Prize mission and model, the Prize highlights the value of using lean/ world-class manufacturing practices to attain world-class status. The mission of The Shingo Prize is to build Operational Excellence in organizations through the promotion of “True North” principles of Lean, Lean systems of management and the wise application of Lean tools and techniques across the entire organizational enterprise. The Shingo Prize achievement criteria provide a framework for identifying and evaluating world-class operational competence and performance.