PERRY JOHNSON REGISTRARS, INC.

Certificate of Registration

Perry Johnson Registrars, Inc., has assessed the Quality Management System of:

New Age Metal Fabricating Co.
26 Daniel Road West, Fairfield, NJ 07004 United States

(Hereinafter called the Organization) and hereby declares that Organization is in conformance with:

ISO 9001:2008 and AS9100:2009 Rev. C

This Registration is in respect to the following scope:

Manufacture of Precision Machined and Fabricated Enclosures

(The assessment was performed in accordance with AS9104A. PJR is accredited under the aerospace Registrar Management Program.)

This Registration is granted subject to the system rules governing the Registration referred to above, and the Organization hereby covenants with the Assessment body duty to observe and comply with the said rules.

For PJR:

Terry Boboige

Terry Boboige, President

Perry Johnson Registrars, Inc. (PJR)
755 West Big Beaver Road, Suite 1340
Troy, Michigan 48084
(248) 358-3388

ANAB ACCREDITED

PERRY JOHNSON REGISTRARS, INC.

The validity of this certificate is dependent upon ongoing surveillance.

Effective Date:	Expiration Date:	Certificate No.:
August 11, 2012	August 10, 2015	C2012-01222

ANSI/ISO/ASQ Q9001:2008 and SAE AS9100C

Corporate Quality Manual

Table Of Contents

Introduction

This manual defines the management policies of New Age Metal Fabricating, Inc. hereafter referred to as “the company”. It is intended to serve as an overview of the policies that the company uses to meet customer requirements.

The manual encompasses and complies with ANSI/ISO/ASQ Q9001:2008 and SAE AS9100C requirements.

NEW AGE METAL FABRICATING COMPANY Corporate Profile

NAMF is a fully integrated world-class manufacturer of precision sheet metal, machining, and assemblies. Our staff has a combined experience of over 100 years in the industry.

NAMF offers a full array of precision metal fabrication capabilities. We are able to take an item at the concept stage, made out of virtually any type of material, and make it a reality. We have invested in state of the art facilities, equipment, and personnel training to ensure that our customers' prints are made to specification and delivered as required.

NAMF offers dedicated prototype and production services: from customized single quantity items to pre-production and full production runs with unlimited quantities.

NAMF takes full responsibility and control of the engineering, manufacturing, and quality of products. Our system is robust and extensive; it is flexible in order to meet all customer system requirements, including but not limited to internal manufacturing, supplies, material, and services procured by NAMF.

NAMF offers a complete turnkey solution to our customers' manufacturing needs.

Our skilled engineering and quality staffs combine the latest engineering and production techniques with practical knowledge gained from years of experience. Our customers can be assured of our ability to develop and produce products that meet the highest possible standards.

Our strong belief in flexibility and execution in the areas of product development, special processing, manufacturing, and assembly of the product have made NAMF a leader in this industry. World-class corporations (e.g., General Dynamics, Lucent, DRS, andLear Siegler) have acknowledged our outstanding performance and reputation for excellence in metal fabrication.

We possess the in-house capability for machining and fabrication of small, large, close tolerance, and exotic special plastics sources.

NAMF currently occupies a 40,000 sq. ft. manufacturing plant on five acres of land in Fairfield, New Jersey. Because of our location and land size, our capacity for growth and expansion is almost limitless.

Our mission is to exceed customer expectations and satisfaction by implementing state of art technology supported by high standards that will enable us to deliver total quality on time all the time and at competitive prices.

We utilize the latest technology in virtually all areas, including but not limited to engineering, CNC machinery, laser, punching, brake forming, welding, painting and inspection.

NAMF has developed a team of experienced engineers, planners and production specialists with proven records of accomplishment and many years of professional experience. Our staff is seasoned, well trained, and highly motivated at helping customers solve a wide range of design problems.

Our professional engineering staff will help design as well as specify products and equipment to meet customer operational needs. We can test, evaluate, and assist in the redesigning of your product to reduce cost, product performance, reliability or appearance.

NAMF is a single source for complete metal fabricating solutions. We utilize the latest in high performance and precision computer-controlled metal manufacturing equipment.
Our capabilities include but are not limited to:

Shearing	**Alodine**
Blanking	**Painting**
Punching	**Grinding/Polishing**
Laser	**Assembly**
Forming	**Fixture Fab**
Machining	**Jig/Design Fab**
Welding	**Spot Welding**

We use outside approved vendors for heat-treating and special plating needs.

NAMF's quality system is a full, robust, and mature program; it is in place, maintained, and consistently improved as needed. With our current customer base of military and medical companies we are regularly audited for quality system conformance. We maintain our systems for conformance to ISO 9001:2008 , SAE AS9100C Aerospace Standard and mil standards.

Section 1 Scope

General

The company's management has established, implemented and will maintain and continually improve a system of management policy, practices and documents that result in customer satisfaction.

Improving productivity, performance and continuous improvement are essential components of maintaining our Quality Management System. To support these activities and to stay competitive the company has developed and implemented a program aimed at upgrading shop floor skills and other areas involving our employees within the environment of a ANSI/ISO/ASQ Q9001:2008 and SAE Aerospace Standard AS9100C-based system.

The ANSI/ISO/ASQ Q9001:2008 and SAE Aerospace Standard AS9100C standards, upon which this manual is based, provide excellent guidelines and for that reason was chosen as the foundation for our Quality Management System.

Application

The scope of application of the Quality Management System is limited to supply of finished and semi-finished solid and sheet metal products for medical, commercial, defenseand military original equipment manufacturers.

We have tailored the requirements of ANSI/ISO/ASQ Q9001:2008 and SAE Aerospace Standard AS9100C to meet the needs of the company.

We accept responsibility to establish, implement, maintain and improve a quality system to provide product to consistently meet customer requirements and continuous improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements. We recognize that statutory and regulatory requirements can be expressed as legal requirements and still apply to the company and requirements applicable to product.

Where required by contract or regulation, customer or statutory and regulatory agency required provisions may be incorporated into the quality system. When such provisions are part of the Quality Management System, a cross-reference document will be provided to easily locate the customer or other requirements within the Quality Management System.

The Quality Management System has been designed to include all requirements of the SAE Aerospace Standard AS9100C. QS42101, AS9100C Cross Reference provides a link between the requirements of AS9100C and ANSI/ISO/ASQ Q9001:2008.

The following activities or processes are not within the scope of the quality system for the reasons indicated:

Activity or Process	Reason for Non applicability
Activities related to service in clauses 7.5 of ANSI/ISO/ASQ Q9001:2008 and SAE AS9100C	The organization does not provide after sale servicing.
Activities related to design and development in clauses7.3 of ANSI/ISO/ASQ Q9001:2008 and SAE AS9100C.	The organization does not design product.

Section 2 References

The following documents were used for reference during development of the quality system and will be used for system maintenance and improvement:

ANSI/ISO/ASQ Q9000:2005, Quality Management Systems - Fundamentals and Vocabulary

ANSI/ISO/ASQ Q9001:2008, Quality Management Systems - Requirements

ANSI/ISO/ASQ Q9004:2000, Quality Management Systems - Guidelines for performance improvements

SAE Aerospace Standard AS9100C

Section 3 Terms and Definitions

The terms "quality system" and Quality Management System are used interchangeably. Both refer to the policies, documents and practices used by the company to meet customer requirements, and high standards for quality and operational performance. The term “Top Management Team” refers to those positions designated by the organization chart as being a member of this group. Definitions included in ANSI/ISO/ASQ Q9000:2005, Quality Management Systems - Fundamentals and Vocabulary apply. In the event of conflict with any terms defined in system documents, the definitions of Q9000:2005 and SAE Aerospace Standard AS9100C take precedence.

Section 4 Quality Management System

Quality Management System

We have established and will maintain and continually improve a Quality Management System satisfying ANSI/ISO/ASQ Q9001:2008 and SAE AS9100C to ensure that product conforms to customer requirements.

The company has prepared and maintains documented procedures, which together with this quality manual describe the complete Quality Management System. The range and detail of the procedures depend on the complexity of the work, the methods used, and the skills and training of personnel involved in performing the work. The documented procedures ensure the quality system is structured and adapted to the company's needs, its organizational environment, and the risks associated with the environment.

Implementation of the quality system is periodically audited and reviewed according to documented procedures.

Quality System Processes

The Quality Management System is a set of determined and defined processes we use to manage numerous linked activities to operate our business and produce the desired outcome for our customer. The processes are defined below in terms of the goal(s) of the process.

Process	Goals	Process Owner
Leadership	The goal of the Leadership Process is to provide, maintain and continuously improve an environment in which our employees can become involved in achieving our organizational objectives.	Top Management
Quality System Management	The Quality System Management Process is focused on the implementation, maintenance and continuous improvement of the company's Quality Management System.	Quality Systems
Sales and Service	Our Sales and Service Process is responsible for customer related activities including determination of product related requirements, reviewing quotations, contracts and orders, communicating with customers and determining customer satisfaction.	Sales

Manufacturing	The Manufacturing Process ensures we plan and perform production under controlled conditions.	Manufacturing
Human Resource Management	This process involves functions to ensure that personnel performing work that affects conformity to product requirements are competent through education, training or experience.	Process Owners Provide This Function for Individual Processes
Purchasing	The Purchasing Process includes activities that are targeted toward ensuring we receive the correct materials and services on time from a qualified supplier base.	Purchasing
Measuring, Monitoring and Correcting	This process is responsible for measuring and monitoring of processes and product, activities related to corrective or preventive action and prevention of use or delivery of nonconforming product through nonconformance control as well as correcting nonconformance related to the Quality Management System.	Quality Assurance

The interaction of our processes is shown in figure one and Quality System Management Interrelationship chart. The organization of the company is included as figure two.

Process Owners

Process owners are assigned for each of the processes of the Quality Management System and documented procedures, instructions and forms used to support achievement of the goals of the process. Process owners are responsible for establishment, implementation, maintenance and continual improvement of process documentation.

Quality System Implementation

All employees who manage, perform and verify work are responsible for implementing the quality system. The Management Representative is responsible for coordinating, monitoring and auditing the system.

Quality Management System Structure

The Quality Management System is structured to achieve the goals of each process. The Quality Management System is documented as follows:

- Corporate Quality Manual providing the company's policy.
- Corporate Procedures outlining required activities.
- Corporate Work Instructions detailing specific task performance.
- Process Documents and Internal Standards
- Applicable National and International Standards
- Product technical specifications and drawings
- Production and Quality Plans.

The documents collectively define a quality system that complies with ANSI/ISO/ASQ Q9001:2008 and SAE AS9100C.

Document Approval and Issue

Documents and document changes may be initiated by anyone in the organization but may only be issued by an authorized process owner as defined in QS42101, Quality System Structure, and QS42301, Document Control. Documents are reviewed and approved prior to issue.

Document Placement

Documents are distributed to personnel at locations where they are used. Document placement is regulated by QS42301, Document Control.

Document Changes

Changes are reviewed and authorized by the same authority that issued the original document. Revised documents are distributed and obsolete documents are removed. A history of revisions for each document is maintained as part of a master document list. The master list specifies the latest revision and the effective date of the revision. Control of changes is provided by QS42301, Document Control.

Document Numbering System

Documents are numbered using a code which keys all documents directly to the policy statement they support. Documents defining procedures are level 2 documents and are derived from Corporate Quality manual sections, topics and items. Work instructions (level 3 documents) are derived from Procedures and forms are derived from the various departmental procedures or work instructions.

Procedure Numbering

Procedures are numbered as POSSSNN where:
PO indicates the applicable process,
SSS indicates the ANSI/ISO/ASQ Q9001:2008 and SAE AS9100 clause,
and
NN is a sequential procedure number.

For example, QS82301 refers to a procedure developed by the Quality Systems process owner related to clause 8.2.3 of the ANSI/ISO/ASQ Q9001:2008 standardand SAE AS9100C.It is the first procedure established by the Management Representative for that clause.

Process codes and the responsible process owners are:

LP	Leadership Process	Top Management
SA	Sales and Service	Sales
MA	Manufacturing	Manufacturing
MM	Measuring, Monitoring and Correcting Process	Quality Assurance
PU	Purchasing Process	Purchasing
QS	Quality System Management Process	Management Representative

Work Instruction Numbering

Work Instructions are numbered as POSSSNNWW
POSSSNN refers to a Procedure number
and
WW is a sequential work instruction number.

For example, QS8230101 refers to a document developed by the Quality Systems process owner derived from procedure QS82301. It is the first work instruction related to this procedure.

Numbering of Forms

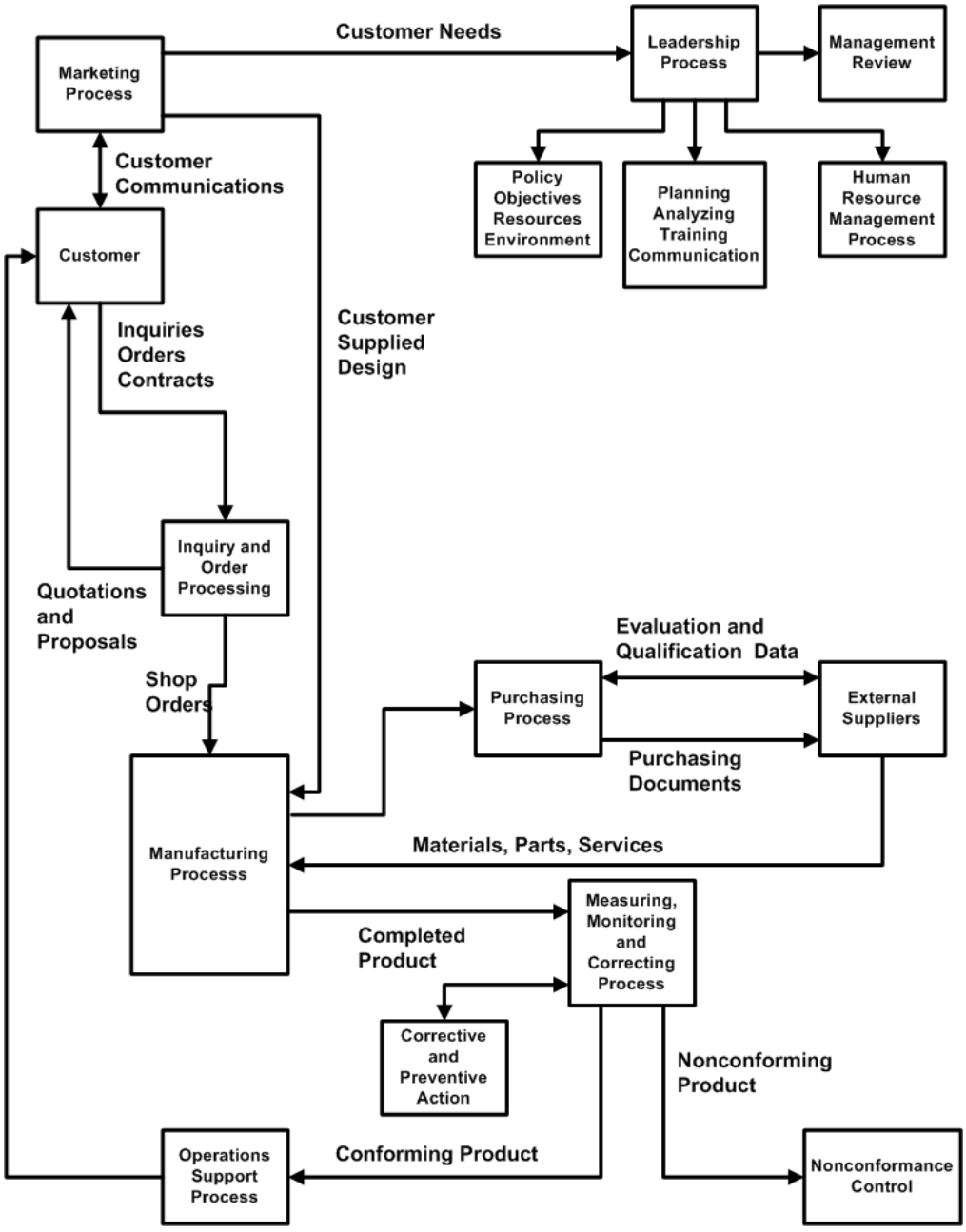
Forms are numbered as POSSSNNWWFF where:
POSSSNNWW refers to a work instruction,
and
FF is a sequential form number.

For example, QS823010101 refers to a form developed by the Quality Systems process owner derived from work instruction QS8230101. It is the first form related to this work instruction.

Where a form is derived directly from a procedure, “00” is substituted for the work instruction number.

For example, QS823010001 refers to a form developed by the Quality Systems process owner derived directly from procedure QS82301. It is the first form related to this procedure.

Figure One Process Interrelationship



Quality System Management Interrelationship

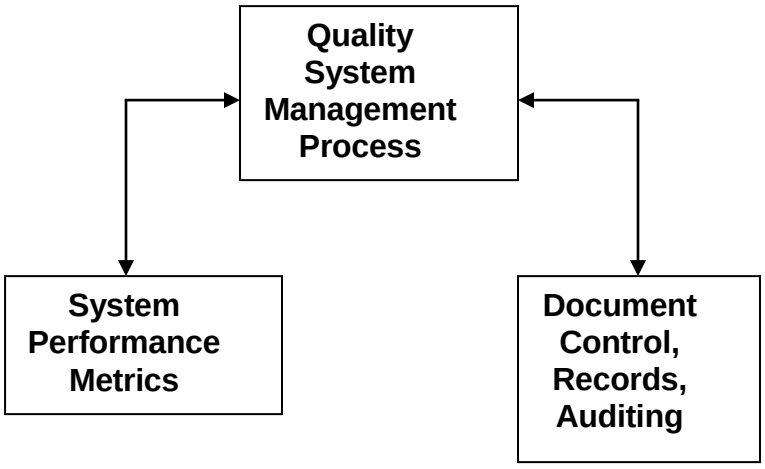
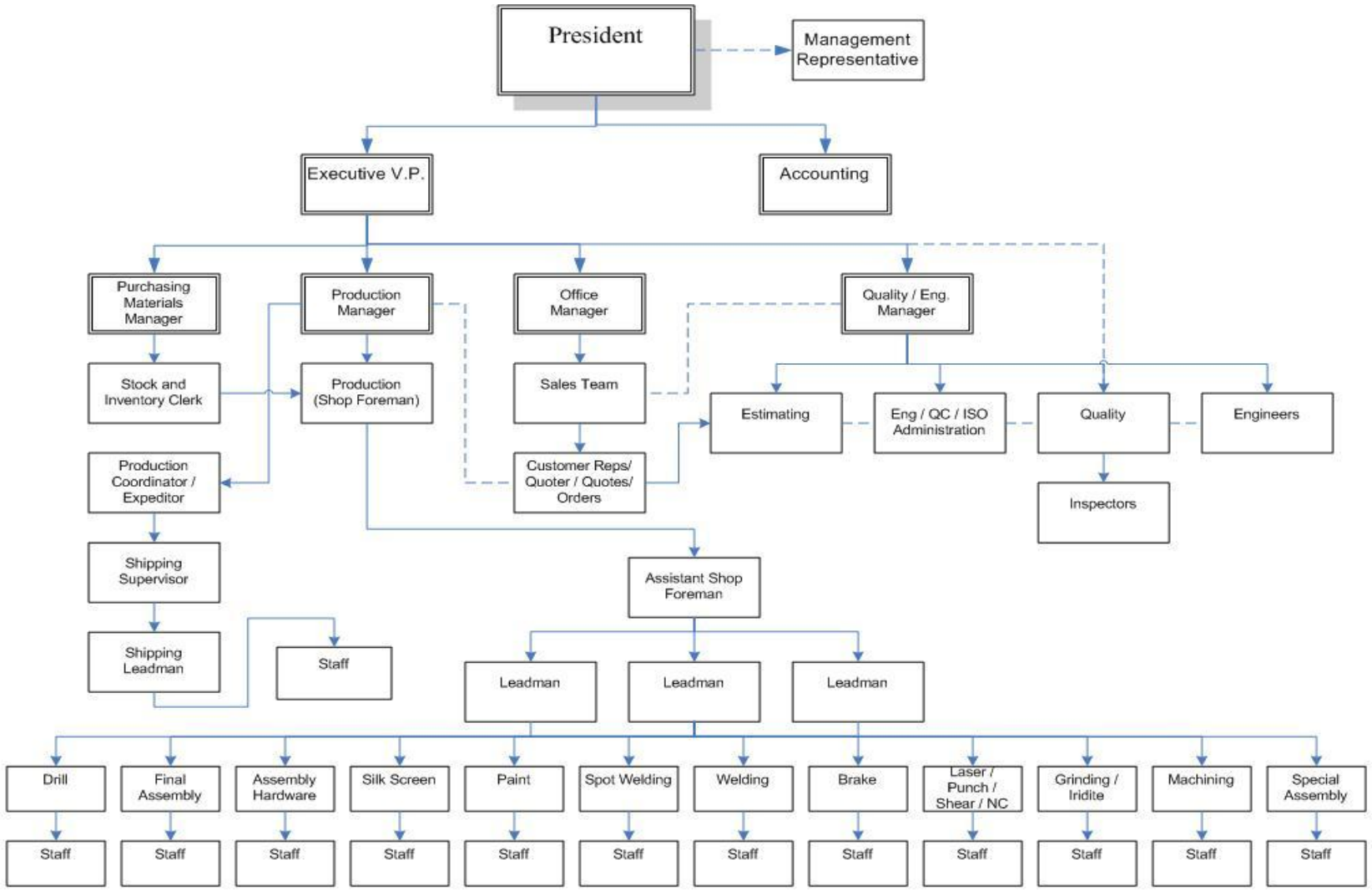


Figure Two Company Organization



Quality Policy

The Top Management of New Age Metal Fabricating is committed to ensuring that the following quality policy is understood practiced and maintained.

Quality Policy

We are committed to continual improvement of our processes and products to meet or exceed our customer's requirements and to improve our productivity and efficiency.

This policy has been formulated by the President of New Age Metal Fabricating, Inc., and approved by the Top Management Team. The policy is explained and discussed at the general orientation training given to all existing and new employees. The policy is also posted in conspicuous locations throughout the company.

This policy and this manual are hereby approved.

Mario Costa, President
Date: 1/4/2012

Mario Costa, Jr., Executive Vice President
Date: 1/4/2012

Sanat Shah, QC/Engineering
Date: 1/4/12

Brian Seymour, Manufacturing
Date: 1/4/12

Marge Goble, Sales
Date: 1/4/12

Frank Melchiorre, Purchasing
Date: 1-4-12

Sheila Fogelman. Management Representative
Date: 1/4/2012

This policy and this manual are hereby approved.

Section 5 Leadership Process

General

Top management is ultimately responsible for establishing, implementing and maintaining the Quality Management System. Specific responsibilities comprise: formulating operational and quality policy, defining organization, assigning authorities and responsibilities, appointing the management representative, periodically reviewing the management system, and making available the resources and personnel necessary to maintain the system including trained personnel to perform internal quality audits.

Quality Manual

The company has prepared and will maintain this quality manual. The manual includes, but is not limited to statements of policy regarding our quality policy, our management system and our organizational structure. The manual includes references to documented procedures used to implement the policy statements. Maintenance of our quality manual is defined in LP42201, Quality Manual.

Management Commitment

Top Management is ultimately responsible for establishing, implementing and maintaining the Quality Management System as defined by LP51001, Management Commitment. Specific responsibilities comprise:

- Formulating operational and quality policy and objectives
- Communicating the importance of meeting customer as well as regulatory and legal requirements to all employees.
- Defining organization
- Assigning authorities and responsibilities
- Appointing the management representatives
- Reviewing the management system at least quarterly
- Making available the resources and personnel necessary to maintain the system including trained personnel to perform internal quality audits

Quality Policy

The Top Management Team of New Age Metal Fabricating ensures that our Quality Policy:

- Is appropriate to the company's operations
- Provides a framework for establishing and reviewing our quality objectives
- Is communicated and understood throughout the organization
- Is reviewed for continued suitability
- Includes a commitment to meeting customer requirements and continuing improvement of the company's operation.

LP53001, Quality Policy defines methods to maintain our Quality Policy.

Quality Objectives

The Quality Objectives of New Age Metal Fabricating are:

- To establish, implement, maintain and continuously improve a Quality Management System consistent with ANSI/ISI/ASQ Q9001:2008 and SAE AS9100C.
- To clearly define customer need with an appropriate quality measure.
- To establish a philosophy of preventive actions and controls to ensure customer satisfaction.
- To provide continuous review of service requirements and achievements to identify opportunities for improvement.

New Age Metal Fabricating objectives will be reviewed quarterly and updated accordingly.

Establishment, monitoring and revision of our quality objectives is defined in LP54101, Quality Objectives.

Quality Planning

Quality planning is an integral part of corporate strategic business planning. Quality planning activities are documented in LP54201, Quality Planning.

Management Representative

The New Age Metal Fabricating Company has appointed a member of NAMF management as the Management Representative for the company. The Management Representative has the authority and responsibility to ensure that the management system is maintained and its efficiency is continuously improved, and that the system always complies with the requirements

of the ANSI/ISO/ASQ Q9001:2008 and SAE AS9100CStandard. Procedure LP55201, Management Representative describes the responsibilities of this position.

Internal Communication

We have established and use methods to communicate information related to performance of our Quality Management System to all employees. This process is defined by LP55301, Internal Communications.

Management Review

The company's top management reviews the Quality Management System at least quarterly to assess its effectiveness and continuing suitability. Scheduling, conducting and recording reviews is defined by LP56101, Management Review.

Continual Improvement

Planned and unplanned review of our quality policy, objectives, internal audit results, analysis of other data, corrective and preventive actions and management review facilitate improvement of the company’s Quality Management System and operations. Procedure LP85101, Continual Improvement, is followed to achieve improvement.

Infrastructure Management

We follow procedures to define, establish and maintain an infrastructure that supports product quality to meet customer requirements and employee health and comfort. LP63001, Infrastructure Management provides direction.

Work Environment

We audit our work environment to maintain a clean, safe and environmentally friendly work place. LP64001, Work Environment provides direction.

Section 6 Human Resource Management Process

General

We are dedicated to providing resources to maintain, effectively implement and continually improve the Quality Management System. We apply these resources to management of the company and our processes.

Assignment of Personnel

We select and assign personnel to ensure that those whose activities affect the conformity to product requirements are competent on the basis of appropriate education, training and experience. Job requirements are provided by HR62101, Assignment of Personnel.

Competence,Training, Awareness and Qualification

The company determines training needs of all personnel and provides required training for personnel performing work affecting the conformity to product requirements. Records of personnel qualifications and training are maintained. Training activities are documented by HR62201, Training.

Training Needs

Employees are evaluated at least annually by their supervisors or managers to determine the adequacy of their qualifications. Where applicable, provide training or take other actions to achieve the necessary competence. Supervisors maintain skill matrices to document qualification levels and identify training needs. Training needs are documented.

Training

The company provides new employee orientation training to all employees. Other training is provided as required.

Training Record

Records of all internal and external training provided to employees are maintained.

Section 7 Sales and Service Process

Customer Requirements

We determine customer needs and translate them into requirements for our company so that we focus on achieving customer confidence. We train our people to understand and meet our requirements. SA52001, Customer Requirements, applies.

Review of Customer Requirements

All offers, sales contracts and orders are reviewed to ensure customer's requirements are adequately determined, defined, well understood, and that the company has the capability to meet requirements. Sales is responsible for contract review and handling of amendments to contracts.

Scope and Record of Review

Contract reviews comprise verification that the customer's requirements are adequately determined, defined, documented and fully understood, and that the company has the capacity to meet the contract requirements. Contract reviews are governed by procedure SA72201, Review of Quotes and SA72202, Review of Contracts and Orders. Contract amendments are processed according to SA72202, Review of Contracts and Orders. Personnel conducting contract reviews make a record of each review. The record is a copy of an offer, contract or order acknowledged by Sales. Details regarding contract review records are provided by SA72201, Review of Quotes, and SA72202, Review of Contracts and Orders.

Verbal Orders

Verbal orders are accepted as binding contracts with the proviso that written copies of the purchase order will be provided. Verbal orders may be used to expedite pre production processes such as ordering material, engineering design and production planning in anticipation of a formal, documented order. In no event will production begin or delivery made without written documentation. SA72202, Review of Contracts and Orders, specifies handling of verbal orders.

Customer Communication

We implement effective liaison with our customers with the goal of meeting their requirements. We communicate using company literature, an Internet site and SA72301, Customer Communication that determines and defines requirements related to product nonconformance, enquiry and order handling, customer complaints, recall processes and our responses to customers related to conformity of product.

Section 8 Purchasing Process

General

Purchasing documents clearly and completely describe ordered products, including quality requirements. They are reviewed and approved prior to release. The company assesses its suppliers and purchases only from those that satisfy the company's quality requirements. PU74101, Purchasing documents our purchasing procedures.

Qualification of Suppliers

Purchasing carries out assessment of suppliers for qualification. Suppliers are assessed with the assistance of representatives from appropriate departments.

We monitor the quality performance of suppliers where nonconformance of purchased items or services could adversely impact our product. Suppliers showing inadequate performance are asked to implement corrective actions and are discontinued if there is no improvement.

Quality Assurance maintains an approved supplier list. Recurring orders may only be placed with companies that are on the list.

Instructions for supplier assessment are given in procedure PU74102, Supplier Approval.

PU74104, Supplier Performance Report and Review provides a means to make sure we detect and correct any problems with our supplier base.

Purchasing Information

The Purchasing department prepares purchasing documents. The documents clearly and completely describe ordered materials, services or processes. Purchasing document details are provided in PU74101, Purchasing.

Verification of Purchased Product and/or Services

The company's customers are normally given the right to verify for themselves that the purchased products conform to specified requirements. Customer verification does not absolve the company from responsibility to deliver a quality product. Procedure PU74101 contains further instructions regarding customer verification of products.

Section 9 Manufacturing Process

General

Production operations are planned and documented. All personnel are provided with training based on qualification requirements, work instructions and workmanship criteria. Production and process equipment is regularly checked and maintained to ensure continuing process capability. Production areas are clean, safe, and provide a suitable work environment.

Production Planning

Production planning includes determination of

- Quality objectives for the product, project or contract;
- The need to establish processes and documentation, and to provide resources and facilities specific to the product;
- Determination of verification and validation, monitoring, measurement, inspection and test activities specific to the product and the criteria for product acceptability;
- Determination of records that are necessary to provide confidence of conformity of processes and resulting product.
- The requirements for project management and,
- Maintaining a process for risk and configuration management.

MA71001, Planning of Production Processes applies.

Production Control

Production equipment, processes, product characteristics and production environment are controlled, operated under controlled conditions and maintained in accordance with procedure MA75101, Process Control. This document specifically provides for:

- Determining requirements for process and associated equipment qualification.
- Determining requirements for qualification of personnel.
- Documented work instructions where the absence of such work instructions could adversely affect quality.
- A working environment and equipment suitable for the task.
- Processes are in compliance with all required standards, codes, quality plans, and procedures.
- Process monitoring and control.
- Approval of processes and equipment when required by contract
- Availability of visual or documented standards to assure compliance with the product standards.

- Preventive maintenance of equipment.
- Control of Work Transfers.

QS42302, Software Control documents our process for development, approval and use of programs for control of CNC equipment.

Identification, Traceability and Status

Materials, components, customer-supplied material and finished product are uniquely identified. Traceability is maintained where specified by contract.

Part and Product Identification

All materials are identified with the material type, description or other unique identification to identify product from receipt and during all stages of production. This identification provides for correlation between the material and internal documentation.

Products are uniquely identified to allow for traceability of product.

MA75301, Product Identification and MA75302, Traceability apply.

Lot control is provided by MA75304, Lot Control.

Inspection Status

Inspection status of a product is determined and identified to assure that only product that has passed inspection is used, or shipped. Authority responsible for the release of conforming product is defined.

Inspection status identification and measures to prevent product from being used or shipped before passing the prescribed inspections are described in procedure MA75303, Inspection and Test Status.

Products that fail any required inspection are labeled, segregated and prevented from release as specified by procedure MM83001, Control of Non-Conformity.

Customer Property

Customer property is afforded the same considerations for handling as company property to prevent damage, loss or deterioration.
When specified in a contract, special handling instructions from customers will take precedence over the company's standard documents.

Customer supplied materials are verified and stored in the same manner as company purchased material. Verification of customer supplied material will be performed as determined by Quality Assurance or customer specifications.

Loss, damage, deterioration or unsuitability of customer property is recorded and reported to the customer. MA75401, Customer Property, contains instructions for treatment of customer property.

Handling, Packaging, Storage, Preservation and Delivery

We use methods of handling that prevent material or product damage and/or deterioration

Receipt to and dispatch from storage areas is controlled.

The condition of stored materials and products is assessed regularly.

Packaging is specified and controlled.

Products are protected prior to and during delivery.

Handling

All personnel involved with product or material production or storage are responsible for proper handling. We ensure that containers are adequate and clean and that product is protected during production, storage and delivery. Procedure MA75501, Product Handling applies.

Storage

Storage areas and their operation are the responsibility of the department using the area.
Only products that are properly identified are authorized to enter and leave storage areas.
Materials and products are stored according to their status or intended use.
Storage areas are inspected and maintained in a clean condition.
The condition of material in storage is periodically checked to detect deterioration.
MA75502, Product Storage and Preservation, defines operation and inspection of storage areas.

Preservation

The company uses methods of storage that ensure preservation and segregation of product at any time the product is under control of the company.

Packaging and Delivery

If the customer specifies packaging the specifications are communicated to production, inspection and shipping personnel as part of the shop traveler. When not specified, packaging is designed to conform to the intended means of delivery to ensure the integrity and protection of the product.

After final inspection, products are protected and stored in adequate conditions to prevent damage and deterioration.

If the customer does not specify the method of delivery, pre-qualified shippers are used.

Procedure MA75503, Product Packaging and Delivery govern the activities of packaging and delivery.

Section 10 Measuring, Monitoring and Correcting Process

Measurement and Monitoring of Processes

The Company applies suitable processes which are monitored and measured (where applicable) to achieve planned results for conformity to product requirements.

Statistical techniques are used to determine and maintain capability as defined by QS82301, Statistical Techniques.

Analysis of Data for Improvements

Where and when appropriate, statistical techniques are employed to verify the acceptability of process capability, product characteristics and to analyze process, Quality System and operational performance. Procedure QS84001, Data Analysis, supplies guidance for data collection and analysis.

Process Analysis and Statistical Sampling

When required and directed by the Quality Assurance Manager, statistical techniques are employed in process analysis and statistical sampling.

Procedure QS82301, Statistical Techniques, governs the activities pertaining to this section of the quality system.

Corrective Action

Processes, work operations, quality records, and customer concerns are analyzed to detect and correct any source of quality problems. The causes of nonconformities is investigated and corrective actions are taken to prevent recurrence so that corrective actions are effectively implemented and reviewed for effectiveness, Procedure SA72202, Review of Contracts and Orders.

Records of corrective action are included in management reviews according to LP56101, Management Review to support continuous improvement.

MM85201, Corrective Action, is used to document our corrective action procedure.

Initiation of Corrective Action

Anyone in the company may propose initiation of a corrective action. Corrective may be initiated as a result of

- Identification of product nonconformance,
- Process quality problems,
- A Noncompliance observed during audits,
- Customer concerns, and/or
- Nonconforming deliveries from suppliers or subcontractors.

The Quality Assurance department is responsible for review and initiation of corrective actions according to procedure MM85201, Corrective Action.

Preventive Action

Processes, work operations, quality records, and customer concerns are analyzed to detect and prevent any source of potential quality problems. The potential causes of nonconformities is investigated and actions taken to prevent occurrence so that preventive actions are implemented and that they are effective. Procedure SA72202, Review of Contracts and Orders.

Records of preventive action are included in management reviews according to LP56101, Management Review to support continual improvement.

MM85301, Preventive Action, is used to document our preventive action procedure.

Initiation of Preventive Actions

Anyone in the company may propose initiation of a preventive action. Preventive actions may be initiated as a result of

- Identification of potential product nonconformity,
- Potential process quality problems,
- A potential noncompliance observed during audits,
- Potential customer concerns, and/or potential nonconforming deliveries from suppliers.

The Quality Assurance department is responsible for review and initiation of preventive actions according to procedure MM85301, Preventive Action.

Measurement of Product and/or Service

Inspection, testing or other verification is performed to ensure conformance with specified requirements. Materials are prevented from use and dispatch until the required inspection, test or verifications are completed. Records of inspections are maintained to provide evidence that materials and products comply with stated requirements. Inspection, testing or verification is conducted when purchased or customer supplied materials are received, at significant stages of production, or prior to dispatch of finished product.

Environment

The company provides an adequate environment for testing and inspection including control of temperature that could affect the accuracy of the tests or inspections.

Receiving Inspection

Procedure MM82401, Receiving Inspection, sets rules for performing and recording receiving inspections. The procedure requires that nonconforming materials be segregated and prevented from use in production.

In-process Inspections

In-process inspection is based on a First Piece inspection for each manufacturing operation followed by sampling during the production run. MM82402, In-Process Inspection provides procedural information. Our First Piece inspection process is documented by MM82403, First Piece Inspection.

Final Inspection

All finished products that have passed receiving and in-process inspections are subjected to final inspection. Only those products that pass the final inspection are moved to storage or to Shipping for delivery to the customer. Performing and documenting final inspection is regulated by MM82404, Final Inspection.

First Article Inspection

First article inspection will be performed according to MM82405, First Article Inspection, if required by the customer.

Inspection and Test Records

All inspections and tests are documented and signed or stamped by the personnel performing the inspections. Rules for establishing the inspection documents are described in procedures MM82401, MM82402 and MM82404. Control of stamps is addressed by MM75304, Stamp Control. Filing and maintenance of the records are regulated by QS42401, Quality Records.

Nonconformity Control

We have procedures to make sure that nonconforming product is prevented from unintended use and that problems are identified, recorded and reviewed.

Nonconforming product is identified, documented, evaluated and prevented from being shipped or used.

Responsibility for disposition of nonconforming product is defined and, when required, the customer is contacted for concession.

Identification and Documentation

Nonconforming products are clearly marked and are segregated from other product. Procedure MM83001, Control of Nonconformity, applies.

Documentation of nonconformity is made on the Nonconforming Material Report, according to procedure MM83001, Control of Nonconforming.

Nonconformity Review and Disposition

Nonconformity review, making the disposition decision and documenting these activities are described in procedure MM83002, Material Review Board.

Re inspection

Reworked products are re inspected prior to release in accordance with procedure MM82404, Final Inspection.

Validation of Processes

Processes where subsequent inspection or testing of the product cannot provide full verification or processes and, as a consequence, may produce deficiencies that only become apparent after the product is in use are validated before use. Our policy is that qualified personnel conduct these processes and the processes are qualified.

Where required by contract, customer approved sources for special processes are utilized.

Special processes performed include:

Process	Where Performed
Heat Treating	External
Laboratory Testing	External
Painting	Internal and External
Passivation	External
Plating	External
Welding	Internal and External

MA75201, Process Validation describes our approach for validating processes.

Control of Measuring and Monitoring Equipment

The required measurement accuracy is known, and appropriate equipment is selected to perform measurements.

All measuring and test equipment is calibrated with traceability to a National Institute of Standards Technology (NIST) standard. Calibration certificates are maintained and the calibration status of measuring equipment is identified. The equipment is maintained to ensure conformance to specified requirements; its placement and use are controlled.

Confirmation of the ability of computer software to satisfy the intended application would typically include its verification and configuration management to maintain its suitability for use. Procedure QS42302, Software Control.

Procedure MM76001, Control of Measuring and Monitoring Equipment, regulates all activities related to this section of the quality system.

Measurement Identification

Measurements to ensure conformance with customer requirements are determined and their required accuracy established by Quality Assurance based on customer specifications or drawings. Selection of suitable equipment to perform measurements is the responsibility of Quality Assurance.

Calibration and Maintenance of Equipment

Calibration of all equipment used for inspection, measuring and testing is traceable to NIST standards. Calibration stickers identify calibration status of equipment.

All calibration related activities are governed by a written document (MM76001, Control of Measuring and Monitoring Equipment). This document defines the calibration of inspection, measuring and test equipment. MM76001 includes details of equipment type, unique identification, and location, frequency of checks, check method, acceptance criteria and the action to be taken to assess and document the validity of previous inspection and test results when inspection, measuring and test equipment is found to be out of calibration.

Records of calibration are maintained according to QS42401, Quality Records.

Equipment Use, Handling and Safeguarding

The company ensures that the environmental conditions are suitable for the calibration, inspections, measurements and tests being carried out.

Handling, preservation and storage of inspection, measuring and test equipment is such that the accuracy and fitness for use are maintained.

The company safeguards inspection, measuring and test facilities, including both test hardware and test software, from adjustment which would invalidate the calibration setting.

Measurement Traceability

The company ensures that measurements we perform to accept products are traceable to recognized national standards. MM76001, Control of Measuring and Monitoring Equipment, ensures compliance with this policy.

Section 11 Quality System Management Process

General

The company defines and implements measurement, analysis and improvement processes to demonstrate that product conforms to specified requirements. The type, location and timing of measurements are defined and the results are recorded. The data is analyzed and input to the management review process.

Control of Documents

The purpose and scope of quality system documents is defined. All documents are reviewed and approved prior to issue. Appropriate documents are available at locations where they are intended to be used. Obsolete documents are removed from points of use. Quality Assurance responsible for coordinating, enforcing and auditing the document control activities according to QS42301, Document Control.

Control of Quality Records

Quality records demonstrate conformance to requirements and effective operation of the quality system. The records are legible, identified, indexed, readily retrievable, and stored in a suitable environment to prevent loss or deterioration. The department that creates a record is responsible for its storage. Retention periods are defined. The identification, collection, indexing, filing, storage, maintenance, retention period, access to and disposition of quality records are governed by QS42401, Quality Records.

Responsibility and Authority

All personnel are granted authority consistent with responsibilities defined below for effective resolution of problems related to the quality of processes, the quality system, products or services. All of the company's employees are empowered to take action to prevent nonconformity related to our product, our processes or our quality system. They are an integral part of the identification, recording, solution and verification of any problem. They are authorized to control processing, delivery of nonconforming product. Where appropriate definition of specific responsibilities and authority is provided in our procedures and instructions.

Measurement of System Performance

We have procedures to measure the performance of the management system performance. Customer satisfaction is the primary measure of system performance and internal audits are used as a primary tool for evaluating the management system.

Measurement of Customer Satisfaction

We have documented procedures for obtaining and monitoring information and data on customer satisfaction. The methods and measures and the frequency of review is defined. This information is used for continuous improvement and the effectiveness of improvements is evaluated at defined intervals. SA82101, Customer Satisfaction outlines the process for measurement of customer satisfaction.

Internal Audit

Comprehensive, planned and documented audits of the Quality Management System are carried out so that every activity and area is audited at least once a year. More frequent audits may be scheduled as required to correct nonconforming conditions or audit process improvement.

Audits are scheduled on the basis of the status and importance of the activity.

The responsible manager for the area being audited shall ensure that any necessary corrections and corrective actions are taken without undue delay to eliminate the detected nonconformities and their causes.

Records of internal audits are maintained in accordance with QS42401, Quality Records. Results of audits are included in management reviews as stated by procedure LP56101, Management Review, QS82201, Internal Quality Audits.

Audit Planning and Scheduling

The Management Representative establishes an internal audit plan and schedule in accordance with procedure QS82201, Internal Quality Audits.

Audit Team and Preparation for Audit

Only personnel independent of an audited area are assigned to perform an audit.

The Management Representative or a designee leads an audit team. Audits are planned following review of applicable standards and documents and review of quality records. Selection of an audit team and the preparation activities are described in QS82201, Internal Quality Audits.

Audit Follow Up

When nonconformity is identified, the manager responsible (the auditee) for the selected area proposes, implements and documents a corrective action. Implementation and effectiveness of any necessary corrections and corrective actions is verified by a follow-up audit.

Conducting and documenting audits and their follow up are governed by procedure QS82201, Internal Quality Audits.