

**Progressive Alloy Steels Unlimited
Quality Assurance Manual**

**Progressive Alloy Steels Unlimited L.L.C.
AS9100 Certified Company**



**QUALITY
ASSURANCE
MANUAL**

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Progressive Alloy Steels Unlimited L.L.C.

Quality Policy

Progressive Alloy's commitment is to supply a quality product, on time, at a fair market price.

It is our objective to meet or exceed our customer's needs and expectations today, and concurrently anticipate the requirements of tomorrow. Quality control and quality assurance are vital links in material processing and inventory storage. Quality is planned and built into every process at Progressive Alloy. We are committed to maintaining processes and systems based on the guidelines set forth by ISO 9001:2008 and AS9100C.

We continue to strive to improve all facets of Progressive Alloy through internal audits, customer feedback, employee input and management reviews.

We know that our immediate and long term success is dependent on supplying our customers materials and service that fully meets their needs, on time, every time, at a fair market price. These requirements are shared amongst all employees of Progressive Alloy.

Bruce Olson
Bruce Olson
President
Progressive Alloy Steels
February 23rd, 2017

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Title: Scope, References, Terms and Definitions		

1.0 SCOPE

This Quality Assurance Manual and the Progressive Alloy Steels Quality Management System is in accordance with ISO 9001:2008 and AS 9100. Progressive Alloy Steels distributes specialty alloys. Progressive Alloy Steels performs no design functions or servicing as defined by this standard. This Quality Assurance Manual as well as the Progressive Alloy Steels Quality Management System are intricate, established parts to our company's success at all of our locations, Hartsville, South Carolina, Las Vegas, Nevada, Willimantic, Connecticut and Boardman, Ohio.

2.0 REFERENCES

This manual is based on the Technical Specification ISO 9001:2008 and AS 9100

3.0 TERMS and DEFINITIONS

For the purpose of this the terms and definitions of ISO 9001:2008 and AS9100 apply.

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Title: Management System		

4.0 QUALITY MANAGEMENT SYSTEM

4.1 GENERAL

The objective of this quality system is to ensure that the products and services conform to the requirements. These controls will include outsourcing processes if required. The system employed is based on ISO 9001:2008 and AS 9100.

4.2 DOCUMENTATION

4.2.1 GENERAL

The system includes:

Quality Policy and Quality Objectives - These shall be defined by the President and will remain the mission and goals of Progressive Alloy Steels.

Quality Assurance Manual – This manual describes in detail the Quality Management System, Quality Policy and Quality Organization.

Standard Practice Procedures – This manual describes the methods used in all practices performed at Progressive Alloy Steels.

Standard Operating Procedures – This manual describes the standard methods of operations to achieve the desired product.

Work Instructions – Work instructions provide information relating to a specific task carried out at each branch of Progressive Alloy Steels.

Records, Data, and Reference Material – Supporting documents of the quality system.

Regulatory authorities' requirements – All Progressive Alloy employees have access to quality management system and are aware of relevant procedures. Customers and Regulatory authorities have access to all documentation as well as Right of Access into facilities.

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4.2.2 QUALITY MANUAL

The Quality Assurance Manual establishes the scope of the SPP. Progressive Alloy Steels does not perform design and servicing functions as defined by the ISO and AS standards.

The Purpose of the quality manual is to document the company's quality system, to instruct and guide employees, and to inform customers what controls are in place to assure a quality product on time.

Procedures referred to in this document are contained in the Standard Practice Procedures Manual.

4.2.3 CONTROL OF DOCUMENTS

Procedure SPP 1.0 establishes procedures for control of documents to assure that:

- a. Documents are approved by Management before use
- b. Documents are reviewed, updated and re-approved as necessary.
- c. Changes and the current revision status are identified.
- d. Relevant versions of documents are available at points of use.
- e. Documents remain legible and available
- f. Documents of external origin are approved and controlled.
- g. Obsolete documents are removed and identified as obsolete. Copies are retained if required.
- h. Any document changes that affect existing contracts will be reviewed with the customer and/or regulatory authorities in accordance to the contract terms.

4.2.4 CONTROL OF RECORDS

Procedure SPP 2.0 establishes procedures for control of records, also referred to as "documented information", to assure that required information is available. Records provide evidence of conformance to requirements and of effective operation of the QMS. Procedure defines:

- a. Retention time
- b. Storage, Protection
- c. Disposition of records
- d. Identification

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Title: Management Responsibility		

5.0 MANAGEMENT RESPONSIBILITY

SPP 3.0 documents procedures for Management Responsibilities.

5.1 Management Commitment

The management of Progressive Alloy Steels is committed to an effective QMS. Progressive Alloy Steels establishes procedures to assure effectiveness and continuous improvement by:

- a. Communicating the importance of customer requirements as well as statutory and regulatory requirements to the organization.
- b. Establishment of Quality Policy
- c. Ensuring relevant quality objectives
- d. Conducting Management Reviews
- e. Ensuring the availability of resources

5.2 Customer Focus

The management of Progressive Alloy Steels is committed to customer satisfaction. Quality on time delivery is measured and reviewed during management reviews and action is taken when required to satisfy customer or improve on process.

5.3 Quality Policy

The President establishes the Quality Policy and ensures that it:

- a. Is appropriate for Progressive Alloy Steels.
- b. Includes a commitment to comply with requirements and to continually improve the QMS
- c. Provides a framework for establishment and review of quality objectives.
- d. Communicates this policy and confirms it is understood within the organization.
- e. Is reviewed for continuing suitability.

5.4 PLANNING

5.4.1 Quality Objectives

Top Management will make these improvements consistent with our product requirements, customer inputs and employee feedback.

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5.4.2 QMS PLANNING

Management has established a QMS that includes:

- a. Management reviews to confirm that the QMS requirements and objectives are met.
- b. Assurance that the integrity of the QMS is maintained when changes are planned and implemented.

5.5 RESPONSIBILITY, AUTHORITY AND COMMUNICATION

5.5.1 Responsibility and Authority

Responsibility and authority within the Progressive Alloy Steels QMS is documented in the organization chart in SPP 3.0 as well as the appendix 9.1 of this manual. Job descriptions are communicated within the organization.

5.5.2 Management Representative

Progressive Alloy Steels appoints a management representative who irrespective of other responsibilities shall:

- a. Ensure that the QMS is established, implemented and maintained
- b. Report to top management on the performance of the QMS and any need for improvement.
- c. Promote awareness of customer requirements throughout the organization.
- d. Management Representative is H. Habicht, who has the authority to resolve all matters pertaining to quality.

5.5.3 Internal Communication

Progressive Alloy Steels management has established consistent communication with the employees to ensure the quality policy is followed through. Weekly meetings with management to review all aspects of business are documented and saved. Any process improvement is monitored for success.

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5.6 MANAGEMENT REVIEW

5.6.1 General

Procedure for Management review is documented in SPP 3.0. Planning and review occur annually and are monitored semi-annually. The review ensures the continuing effectiveness of the QMS by reviewing data from both customers and PASU internal audits. This data can consist of but not limited to:

- a. on time delivery
- b. Return's or credits issued
- c. Internal, customer or Vendor Corrective actions

5.6.2 Review Inputs

Inputs to Management review shall include:

- a. Results of Audits and follow up actions
- b. Customer Input which includes Performance Results
- c. Internal inspection of process and product upon completion
- d. Status of Preventative and Corrective Actions
- e. Follow ups to these actions.
- f. Recommendations for improvement
- g. Changes put into place from previous reviews and results of these changes.

5.6.3 Review Outputs

Outputs from Management Review shall include:

- a. Improvement of the QMS.
- b. Improvement of product and process relative to customer requirements
- c. Resource needs

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6.0 RESOURCE MANAGEMENT

6.1 Provisions of Resources

Progressive Alloy Steels provides resources required to:

- a. Maintain the QMS and continually improve its effectiveness.
- b. Enhance customer satisfaction by meeting requirements.

6.2 Human Resources

6.2.1 General

Personnel performing work affecting product quality are qualified as competent on the basis of appropriate education, training, skills and experience.

6.2.2 Competence, Awareness and Training

For all personnel performing work affecting product quality Progressive Alloy Steels:

- a. Determines the necessary competence required by using a 90-day training format
- b. Provides training or other actions to satisfy these needs by using partner system with new employees
- c. Evaluates the effectiveness of these actions during employee review after 90 days
- d. Ensures the personnel are aware of the relevance of importance of their activities and how they contribute to the achievement of quality objectives which includes but isn't limited to product conformity and safety.
- e. Communicates the importance of ethical behavior.
- f. Appropriate records of training are maintained off site with HR.

6.3 Infrastructure

Progressive Alloy Steels provides and maintains the infrastructure needed to achieve conformity to product requirements. Infrastructure includes:

- a. Buildings, utilities and workspace
- b. Equipment, including both hardware and software
- c. Supporting services (transport & communication)

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6.4 Work Environment

Progressive Alloy Steels determines and manages the work environment needed to assure that product requirements are met and that work is performed safely. Progressive Alloy Steels complies with safety and environmental regulations and guidelines.

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Title: Product Realization		

7.0 PRODUCT REALIZATION

7.1 Planning of Product Realization

Progressive Alloy Steels plans and develops processes for product realization consistent with the requirements of the QMS. At time of inquiry, sales in conjunction with the customer, determine specification requirements and if our product is acceptable.

Determination of Requirements:

- a. Quality Objectives and requirements for the product
- b. The need to establish new or different processes and resources.
- c. Required verification, validation, inspection and testing
- d. Records needed to provide evidence that the process and product meet the established requirements.
- e. Configuration Management appropriate to the product.
- f. Identify resources needed to support operation and maintenance of product.

7.1.1 Project Management

Product Realization will be managed in a structured and controlled manner which best meets the customer requirements at a controlled risk within scheduling constraints.

7.1.2 Risk Management

- a. Sales assume responsibility for identifying risk management at the time of quotation/order acceptance.
- b. Criteria includes but is not limited to equipment schedule, product availability, transportation time to customer, packaging for safe delivery and any outside processing that could be required.
- c. The identification, assessment and communication of these risks are handled by sales and communicated to the proper persons able to minimize risk.
- d. Any risks that exceed the defined criteria are discussed with proper production personnel to minimize, management to improve process, or customer to explain additional risk.
- e. Through these criteria acceptance of risks is determined.

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7.1.3 Configuration Management

Progressive Alloy has established, implemented and maintained an appropriate program for the product sold. This includes planning, identification, change, accounting and audits when necessary.

7.1.4 Control of Work Transfers

Progressive Alloy controls work transfers through the purchase order process. All defined requirements for outside processing are listed then confirmed upon return from receiving. Identification of process is maintained throughout process.

7.2 Customer Related Processes

Customer related products/processes are the responsibility of the Progressive Alloy Sales Department and procedures are documented in SPP 4.0

7.2.1 Determination of requirements related to the product.

Product Requirements are determined by Sales people at the time of inquiry with customer:

- f. Requirements specified by customer
- g. Requirements not specified by customer but required for the specified or intended use where known
- h. Statutory and regulatory requirements applicable to product.
- i. Any additional requirements determined by Progressive Alloy Steels

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7.2.2 Review of Requirements Related to the Product

Progressive Alloy Steels reviews all requirements to the product before committing to supply the product to a customer (via quotation, acceptance of contract, changes to orders) to ensure that:

- a. Product requirements are defined
- b. Contract/order requirements differing from original accepted order are resolved
- c. Progressive Alloy Steels has the ability to meet the defined requirements.
- d. Any special requirements are defined.
- e. Any possible risks that would possibly interrupt our commitment have been reviewed.

Progressive Alloy Steels sales people maintain records of customer communication on these actions arising from review.

Progressive Alloy Steels provides confirmation of orders, order requirements and order changes to customer by one of these options:

- a. e-mail
- b. System generated confirmation
- c. Verbally

7.2.3 Customer Communication

Progressive Alloy Steels sales department is responsible for communicating with customers in relation to:

- a. Product information
- b. Inquiries, contracts, order handling, amendments
- c. Customer feedback including complaints.

7.3 DESIGN AND DEVELOPMENT

Design and Development is excluded from this Quality Manual. Progressive Alloy does not design or develop any product or parts.

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7.4 PURCHASING

7.4.1 Purchasing Process

Procedure SPP 5.0 establishes procedures to ensure that purchased product conforms to specified requirements. The type and extent of control applied to supplier is based upon the product being supplied.

Progressive Alloy is responsible for the product being purchased from suppliers, including customer-designated suppliers.

Suppliers are evaluated and selected based on their ability to supply products in accordance with required specifications. Records of supplier evaluation and actions arising from evaluation are maintained. Progressive Alloy Steels does:

- a. Maintain an approved supplier listing that includes the scope of approval.
- b. Suppliers performances are review periodically by on time delivery, annual testing for conformance to certification and handling of paperwork and issues. These determine the level of controls on a supplier.
- c. Decides needed actions when requirements are not met.
- d. When required, confirm that both Progressive Alloy Steels and suppliers use customer-approved sources.
- e. Give the responsibility for approving suppliers as well as disapproving the use of sources
- f. Evaluate risk of using a supplier and manage it accordingly.

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7.4.2 Purchasing Information

Purchasing information describes the product being purchased where appropriate.

- a. requirements for approval of product, procedures and processes (equipment)
- b. requirements for qualification of personnel
- c. Quality Management Systems in place and approved personnel.
- d. Procured material shall be traceable to material certification test reports. Original mill testing lab certifications will be presented with procured material.
- e. Requirements for Design, test, inspection and all related requirements for acceptance.
- f. If required, test samples and results per requirements
- g. Requirements applicable to Non-Conformance and Counterfeit issues.
- h. Supplier notification requirements on changes to submitted purchase order.
- i. Record retention requirements.
- j. Right to access by PASU, our customer and/or regulatory authorities include supplier's facility and applicable documented information.
- k. Supplier will include all requirements to any sub-tier suppliers.
- l. Ethical behavior is mandated within PASU and is flow down to our external suppliers.
- m. Where requested, PASU requires vendor to be complaint with DFARS 252.225.7014.

Progressive Alloy Steels assures that purchase requirements are adequately specified prior to communication with supplier.

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7.4.3 Verification of Purchased Product

Progressive Alloy Steels verifies purchased product as described in SPP 6.0 to assure that purchased product meets specified purchase requirements. These requirements include but are not limited to:

- a. Evidence of the quality of product
- b. Inspection and audit at suppliers location
- c. Review and approval of supplied documentation
- d. Physical inspection of product
- e. Random outside testing of products conformity.

Incoming product will not be used until it has been confirmed that it meets requirements of purchase order.

Where test reports are used, the data on these test reports will be acceptable per applicable specifications.

Should Progressive Alloy Steels delegate confirmation activities to supplier, the requirements shall be defined and maintained as a quality document.

Should Progressive Alloy Steels or its customer intend to perform verification at the supplier's facility, Progressive Alloy will define the intended verification and method in purchase order.

Where specified in the contract, the customer or an assigned representative will be allowed the right to verify at either the suppliers or Progressive Alloy Steels facility.

Customer verification will not be used by Progressive Alloy Steels as effective evidence of quality control. Progressive Alloy Steels will maintain its standard process of product confirmation.

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7.5 PRODUCTION and SERVICE PROVISION

Progressive Alloy Steels does not provide service.

7.5.1 Control of Production

Planning shall consider:

- a. Establishment of process controls and control plans when key characteristics are defined
- b. Identify in process inspection points
- c. Design, process and tooling used so that all inspections can be taken and confirmed
- d. Any special process

Progressive Alloy Steels carries out production under controlled conditions which include:

- a. Available information which describes the required characteristics of the product (EX: grade, size, quantity, tolerances)
- b. Available work instructions necessary (EX: finished size and tolerances)
- c. Use of suitable equipment
- d. Use of quality measuring devices when needed
- e. Implementation of monitoring and measurement.
- f. Release, packaging and delivery of product
- g. Accountability of all product during process
- h. Evidence that all process and inspections have been completed.
- i. Provision for the prevention, detection and removal of foreign objects.
- j. Monitoring and control of all utilities and supplies that could affect product quality.
- k. Criteria for workmanship shall be defined clearly and in easiest form to apply to process.

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7.5.1.1 Production Process Verification

Progressive Alloy is a 100% inspection company. Production shall be carried out in accordance to approved data. This data shall contain as needed:

- a. Part number, inspection requirements, drawings, work orders and inspection document.
- b. List of specific or no-specific tools and any specific instructions.

7.5.1.2 Control of Production Process Change

Persons authorized to change production requirements are sales (per customer requirements), management (process improvement).

Any change shall be identified and approved in accordance with the contract. This includes regulatory requirements.

Changes affecting Processes, production equipment, tools will be documented.

Results of production changes will be reviewed and confirmed that change was done without adverse effects to product quality or customer satisfaction.

7.5.1.3 Control of Production Equipment and Tools

Production equipment and tools will be validated prior to use and inspected periodically. EX: Saw Maintenance, calibration of test equipment, hardness calibration, and periodic inventory.

7.5.1.4 Control of Work Transferred Temporarily Outside

Any work temporarily moved outside of Progressive Alloy Steels facilities will have process controls defined prior to leaving and quality of work shall be inspected upon return.

7.5.1.5 Control of Service Operations is not applicable – No Product is serviced by Progressive Alloy.

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7.5.2 Validation of Production Processes

PASU will validate any process where deficiencies can become apparent only after product is in use and measurement is not enough. These include but are not limited to:

- a. Defined criteria for review. (EX: Hardness verification on heat treated product)
- b. Approval of Equipment and qualification
- c. Use of specific methods and procedures
- d. Documentation required

7.5.3 Identification and Traceability

Progressive Alloy uses three primary identification criteria. These three are:

- a. GRADE of steel
 - b. CASE NUMBER – alpha numerical number assigned at receipt.
 - c. MILL HEAT NUMBER
 - d. Other identifying marks could be color code, weight, size.
- Progressive Alloy Steels maintains traceability of all products.

When it pertains, Progressive Alloy Steels will maintain identification of the configuration of the product in order to identify any differences between original and completed product.

Acceptance media has established document controls

Dependent on the requirements by contract, regulatory or other requirements Progressive Alloy Steels will provide:

- a. Identification maintained through the life of the product
- b. Traceability of the products from the same batch.
- c. If required a sequential record of production.

7.5.4 Customer Property

Progressive Alloy Steels will identify, protect and safeguard customer's property in the same manner as Progressive Alloy Steels property or through agreement with customer.

Customer Property does include intellectual property as well, including data, drawings, design and more.

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7.5.5 Preservation of Product

Product is properly preserved during process, inspection and packaging for shipment. SPP 7.0 details this

Preservation of product shall include provisions for:

- a. Cleaning (includes burr removal)
- b. Prevention and detection of foreign objects
- c. Special handling if required / packaging
- d. Marking and labeling including safety instructions
- e. Stock rotation or shelf life requirements
- f. Hazardous materials and handling requirements

7.6 Control of Monitoring and Measuring Devices

SPP 8.0 establishes procedures for control of monitoring and measuring devices to assure that product requirements are met. Progressive Alloy Steels determines the devices needed to provide evidence of product conformance.

Progressive Alloy Steels maintains a register of all equipment monitored for and defines the process each is used for. Each item will also list the individual identification for monitoring, location, frequency, method and acceptance criteria.

Progressive Alloy Steels procedures ensure that monitoring and measurement activities are completed in a manner consistent with requirements. Measuring equipment is:

- a. Calibrated at specific intervals against measurement standards traceable to international or national requirements.
- b. Adjusted or replaced as needed
- c. Identified to enable tracking of results of calibration
- d. Safeguarded from adjustments that would invalidate result.
- e. Protected from damage and deterioration
- f. Recalled if required by a defined process.

Records of calibration are recorded and maintained. When equipment is found that does not meet calibration; the validity of previous use is assessed. Action is taken if needed.

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8.0 MEASUREMENT, ANALYSIS and IMPROVEMENT

8.1 General

Progressive Alloy Steels plans and implements monitoring, analysis and improvement processes needed to

- a. Demonstrate conformity of the product
- b. Ensure conformity of the QMS
- c. Continually improve the effectiveness of the QMS

Some of the measurable used are equipment capacity, on time delivery, customer on time reports (when supplied to us), Returned Material and CA's.

Statistical Techniques are only per contract requirements. Progressive Alloy Steels does not apply to statistical techniques.

8.2 Monitoring and Measurement

8.2.1 Customer Satisfaction

Progressive Alloys Steels monitors information relating to customer perception and satisfaction

- a. in meeting customer requirements
- b. in comments with sales staff on product conformity and delivery
- c. in future order commitments to Progressive Alloy
- d. returns or complaints

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8.2.2 Internal Audits

Progressive Alloy Steels conducts internal audits annually to determine:

- a. That the program is being followed properly and conforms to the requirements of ISO and AS
- b. That the program is effective and maintained

The audit program is planned, taking into consideration the status and importance of the process and area being audited as well as previous results. The audits criteria, scope, frequency and methods are defined in SPP 9.0

Responsibilities and requirements for planning, conducting and reporting results are defined in SPP 9.0. Parties responsible for the area audited ensure that remedial actions are taken without delay and Corrective actions are taken and audited.

Internal audits will meet contract or regulatory requirements.

8.2.3 Monitoring and Measurement of Process

Progressive Alloy Steels applies suitable attention and methods of monitoring, where applicable, measurement of the QMS process. When planned results are not achieved corrective actions are taken to ensure conformity.

In the event of process non-conformity Progressive Alloy Steels will:

- a. Take appropriate action to correct nonconformity
- b. Determine if the process nonconformity has resulted in any product nonconformity
- c. Determine if previous orders have been affected by non-conformity.
- d. Identify and control any effected product.

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8.2.4 Monitoring and Measurement of Product

Progressive Alloy Steels monitors product characteristics to verify requirements have been met. These activities are carried out at appropriate stages of product realization.

Should key characteristics be identified, they shall be monitored and controlled

Should Progressive Alloy Steels use sampling inspection as an acceptance criteria, the plan will be valid and appropriate for use, it shall preclude the acceptance of lots whose samples have nonconformities. If required, the plan shall be submitted for customer approval.

No product shall be used until it has been confirmed that it meets customer requirements (specifications), except if product is released under a positive-recall procedures pending completion of the process/product.

Evidence of product conformity with acceptance is maintained. Records indicate person(s) authorizing release of product.

Product release does not proceed until proper authorization has been met.

8.2.4.1 Inspection Documentation

Measurement requirements are documented for acceptance. This documentation is part of the production documentation but does include:

- a. Criteria for acceptance or rejection
- b. Where in the process inspection takes place
- c. Record of the measurement results
- d. Instrument used to obtain results.

Test results will show actual data when required by specification or acceptance plan.

Where required to provide evidence of conformity, Progressive Alloy Steels ensures the records meet the defined product.

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8.3 CONTROL OF NONCONFORMING PRODUCT and COUNTERFEIT PRODUCT

Progressive Alloy Steels identifies and controls product, which does not conform to requirements. This is done to prevent unintended use. Counterfeit Product is viewed as non conformant material with intent. The controls and responsibilities are defined in SPP 10.0

Nonconforming product can be resolved by:

- a. Taking action to eliminate the nonconformity
- b. Getting authorization from proper source to use the nonconformity
- c. Taking action to preclude its original use
- d. Confirming the non-conformance does not affect other products or processes.

Progressive Alloy Steels will not use-as-is or repair dispositions unless approved by customer if:

- a. product is produced to customers design requirements
- b. the non-conformity results in a departure from the contract requirements.

Counterfeit Products, suspect or determined will be quarantined, returned to supplier or scrapped. Disposition will be made by either General Manager, Operations Manager or Quality Manager.

Product dispositioned as scrap will be marked obvious and permanent.

Records of nonconformities are maintained.

When nonconformance is detected after delivery of product, Progressive Alloy Steels takes the appropriate actions to eliminate the effects or potential effects of the nonconformity.

Progressive Alloy Steels will provide timely reporting of delivered non-conformance product that could potentially affect reliability of product. This notification will be clear and detailed as to the non-conformance.

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8.4 ANALYSIS OF DATA

Progressive Alloy Steels determines, collects and performs analysis of appropriate data to demonstrate suitability and effectiveness of the QMS. This evaluation of data aids in continuous improvement also. Data collected from monitoring and measurement is included with data from other relevant sources.

Data analysis provides information relating to:

- a. Customer Satisfaction
- b. Conformity of product
- c. Suppliers
- d. Characteristics and trends of processes and products

8.5 IMPROVEMENT

8.5.1 Continual Improvement

Progressive Alloy Steels continually improves the effectiveness of the QMS through the use of the quality policy, quality objectives, audit results, analysis of data, corrective and preventative actions and management review.

8.5.2 Corrective Action

Progressive Alloy Steels takes corrective action to eliminate the cause of discrepancies in order to prevent reoccurrence. Corrective Actions are appropriate to the effects of the discrepancy.

SPP 11.0 establishes the procedure for:

- a. Review of nonconformity
- b. Determining cause
- c. Evaluating the need for action
- d. Determine and implement the action needed.
- e. Records of results
- f. Reviewing Corrective Action Taken
- g. Flow down of the corrective action requirement to a supplier when it is determined that the supplier is part or all of root cause.
- h. Specific actions where timely and/or effective corrective actions are not achieved.
- i. Verifying that additional non-conforming product does not exist.

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8.5.3 Preventative Action / Risk Management

Progressive Alloy Steels determines actions to eliminate potential discrepancies. Preventative actions are appropriate to the potential problem. Preventative Action and Risk Management can be interchangeable terms.

Potential risks can be identified by any employee. Dependent on the likelihood of occurrence and the severity of the consequences, risk can be managed at the employee level or Management.

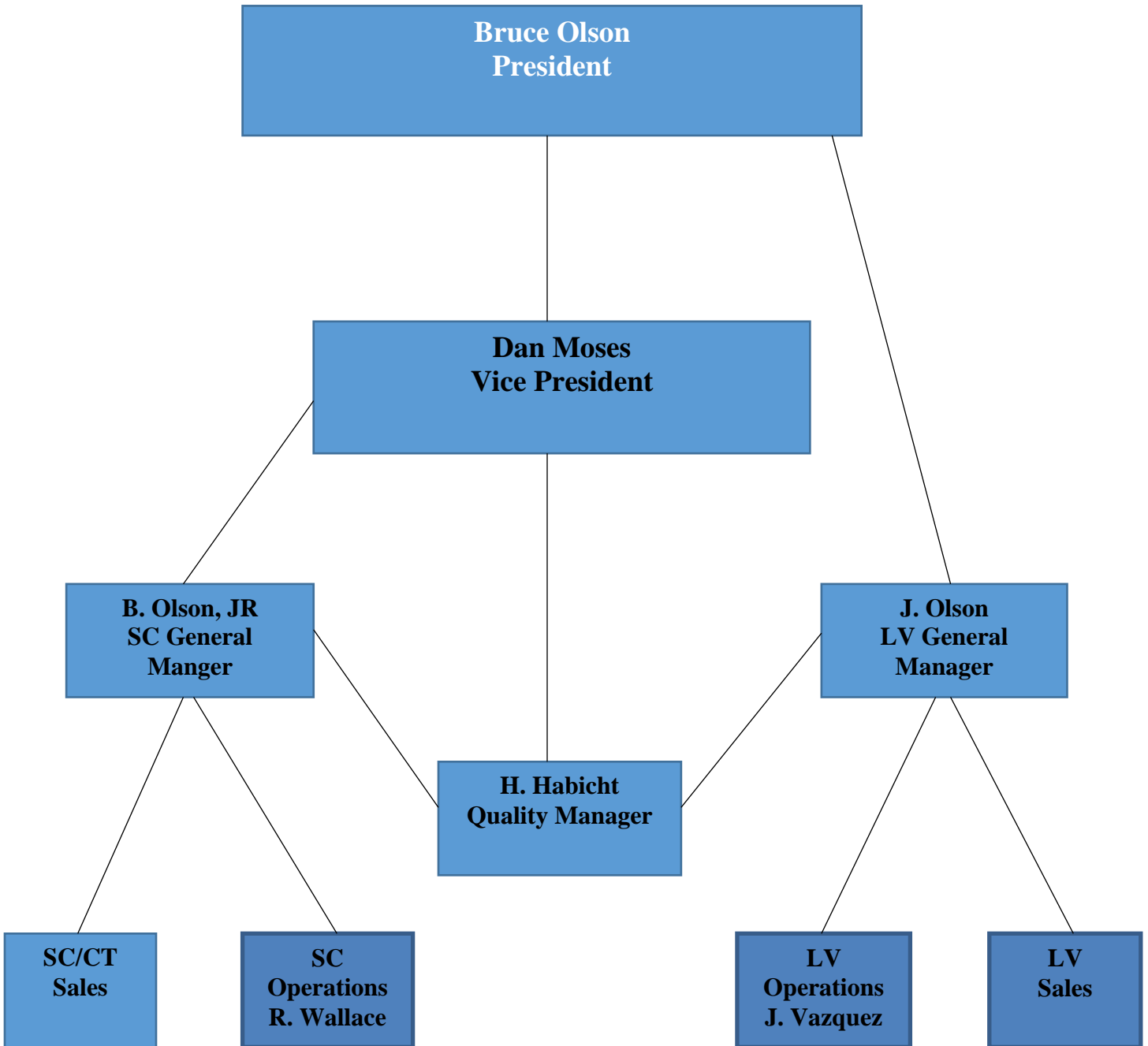
Transfer of work/production is a main risk identified and is handled internally with the use of two similar warehouses on opposite coasts. Should the need arise Progressive Alloy Steels is capable of maintaining a complete work load at either facility simple by transferring the workload to the unaffected warehouse.

SPP 12.0 establishes the procedure for:

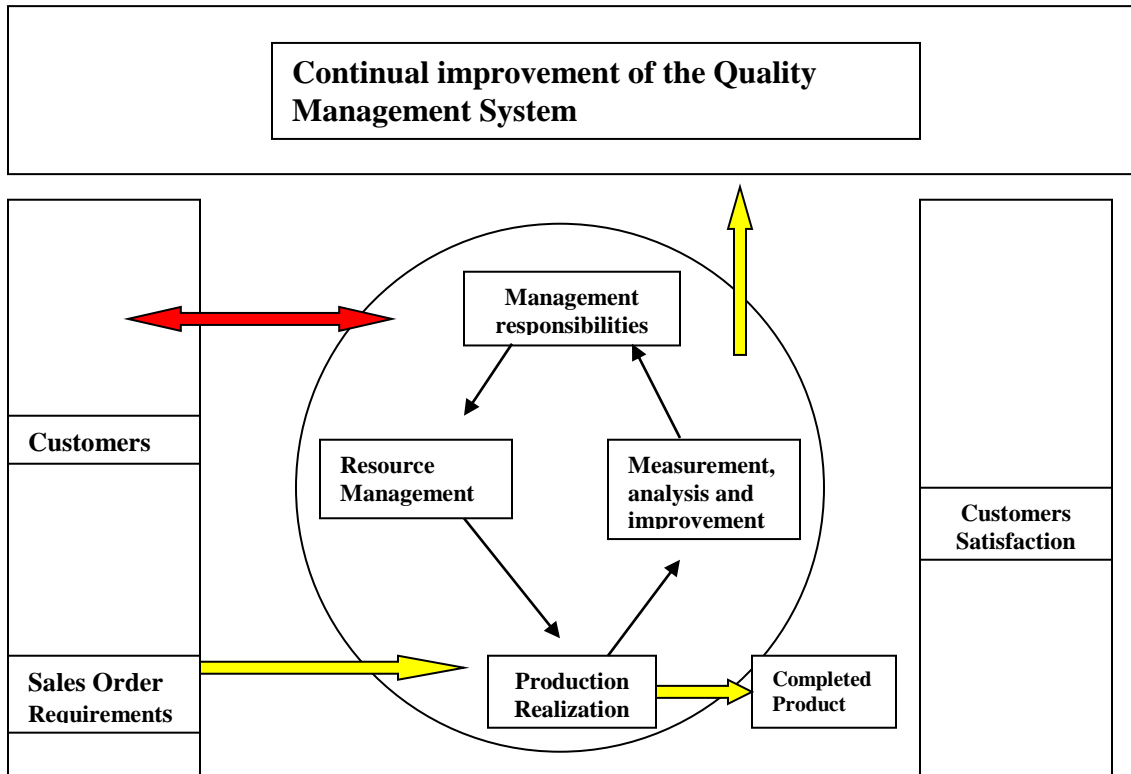
- a. Determining potential problem
- b. Evaluating need for action
- c. Implementing action
- d. Recording results
- e. Reviewing preventative action/risk

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Appendix 9.1 Organizational
Chart



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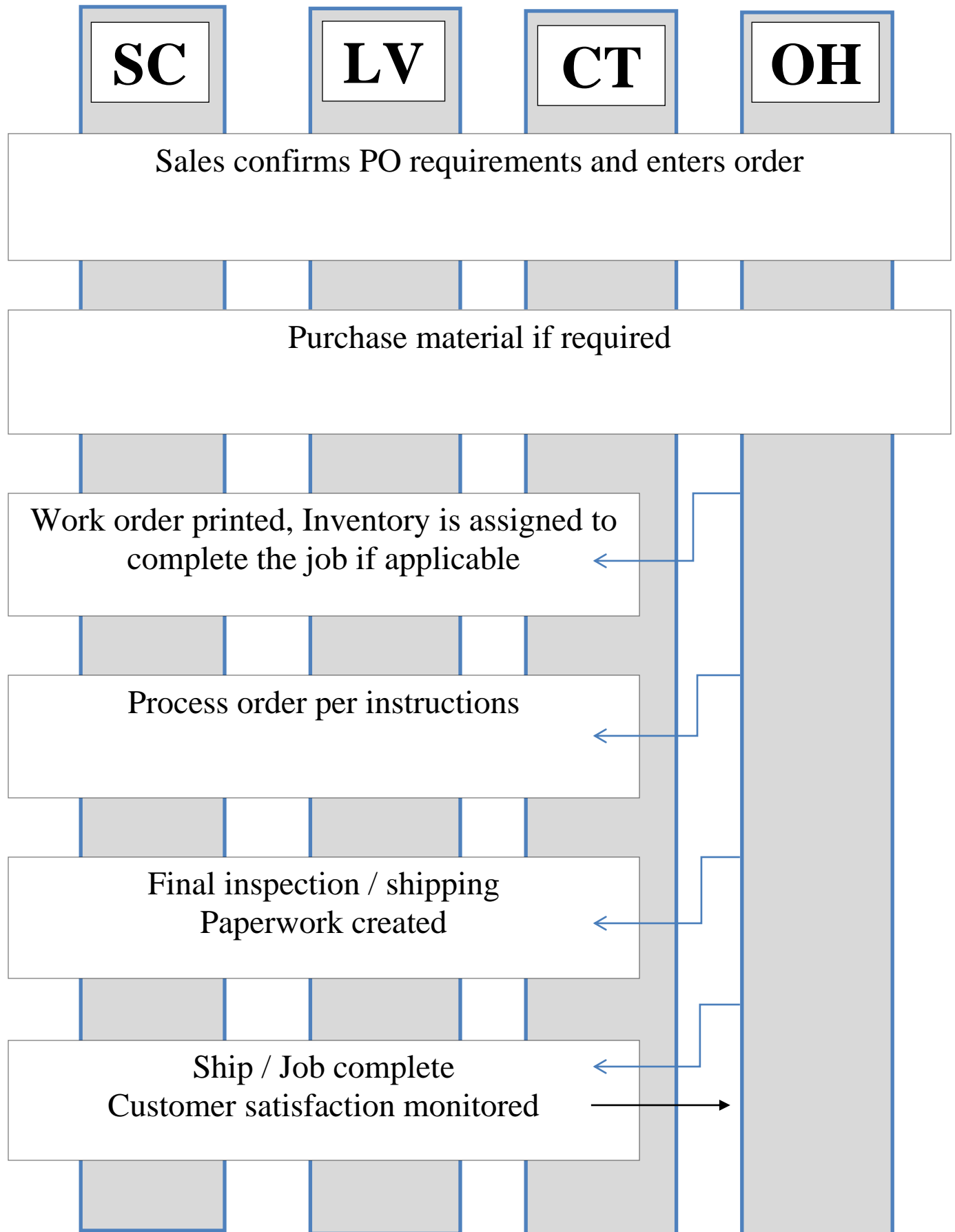
Value – adding activities



Information Flow

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Revisions

<u>Action</u>	<u>Section</u>	<u>Date</u>
Added detailed Process Flow Chart	Page 29	4/28/2010
Added all locations to the Scope	Page 4	6/10/2013
Updated Organizational Chart	Page 28	6/10/2013
Updated Process Flow Chart	Page 30	6/10/2013
Updated revision to 4	All	6/10/2013
Added physical locations to scope	Page 4	7/01/2013
Updated revision to 5	All	7/01/2013
Updated revision to 6	All	6/30/2015
Updated cover page with address and AMA logo	Cover Page	6/30/2015
Updated Org Chart	Page 28	6/30/2015
Added facility addresses to front page	Front Page	8/25/2015
Grammatical corrections	Page 6, 7, 12, 22	8/25/2015
Addition of appendix in wording	Page 8	8/25/2015
Name change	Page 8	8/25/2015
Updated Org Chart	Page 28	8/25/2015
Rev. 8		
Added date to the Quality Policy	Page 2	2/23/2017
Removed “quarterly” from Quality Policy	Page 2	2/23/2017
Added “10. Revision page/s” to the index	Page 3	2/23/2017
Removed reference to nonexistence SPP in Sect 6.2.1	Page 10	2/23/2017
Amended “d” and added “l” on Sect. 7.4.2	Page 16	2/23/2017
AS 9100 Rev D update	Numerous	3/6/2018
Changed address for LV, Added Ohio office updated revision		
Added revision to all pages		
Corrected Typo’s		
Added ethics (e), and off-site (f)	Page 10	
Changed title of 7.1 to Determination of Requirements	Page 12	
Added “counterfeit” to G. Changed J to include “PASU, Customer and Regulatory Authority, Changed L to “ethical behavior”	Page 16	
Added Counterfeit Product to title and a paragraph addressing such	Page 25	
Added Risk Management to title and amended paragraph	Page 27	
Added title to Appendix 9	Page 28	
Added Ohio company flow chart	Page 30	3/6/2018

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