



## 1.0 PURPOSE

To establish supplier quality requirements applicable to the type of product or service procured by Hudson MFG LLC. ]

## 2.0 APPLICATION

When QAM Appendix 8.4 is specified on the purchase order, suppliers must implement a quality system appropriate to the product and services supplied.

This section lists the Hudson Supplier Quality Requirement (HSQR) codes and application by type of commodity. Suppliers should refer to the table to determine the appropriate HSQR code and then refer to the applicable section of this document for detailed supplier quality requirements.

Suppliers who have achieved ISO accreditation will, after approval of requested documentation, receive approvals for the applicable SQR code(s), excluding HSQR200.

<b>Hudson Supplier Quality Requirements</b>	
HSQR100	Commercial Products/Services
HSQR200	Commercial Products/Services regulated IAW CFR 27.II.478
HSQR300	Testing Laboratories
HSQR400	Measuring and Test Equipment Calibration and Repair Services
HSQR500	Distributor and Catalog Suppliers
HSQR600	Transportation Services
HSQR700	Training and Consulting/Services
HSQR800	Field Service and Repair Activity
HSQR900	(inactive)

## 3.0 SUPPLIER DEVIATION REQUESTS

### 3.1 General



Hudson MFG LLC recognizes that Design for Manufacturability (DFM) product and process improvements or nonconforming conditions may occur during the manufacture of product as a result of either Hudson MFG LLC and/or supplier errors.

The Supplier Deviation Request (SDR) system is established to address improvements, problems and nonconforming conditions detected by the supplier.

The SDR system also provides the supplier with the means for recommending product or process improvements.

The SDR system should be used for the following situations:

- drawing errors noted during initial contract review or during manufacturing and inspection activities
- specification errors noted during contract review or processing
- product or process improvement opportunities identified during contract review or manufacturing
- product or process improvement opportunities identified during contract review or inspection of product

### 3.2 Procedure

When a condition is observed which requires an SDR, the supplier shall fill in the appropriate spaces on the electronic version of the SDR FORM and e-mail the document to Hudson MFG LLC contacts listed on the SDR FORM.

Upon receipt of an SDR, Quality will initiate a Non Conformance Report (NCR) and assign the applicable NCR number to the SDR as a document control number.

SDRs are processed internally IAW the defined Hudson MFG LLC Quality Management System NCR process.

After disposition of the SDR/NCR document, Hudson MFG LLC Quality Assurance (QA) will notify Purchasing and the Supplier via e-mail.

Purchasing will process notifications of dispositioned SDR/NCRs as defined within department operating procedures as applicable.

Suppliers are not authorized to ship nonconforming product prior to disposition and completion of the instructions stated in the dispositioned SDR.

## 4.0 REVISION STATUS OF DRAWINGS AND SPECIFICATIONS



Purchasing and the Supplier share responsibility for assuring the correct revision level of drawings and specifications are available and applied to the procured product or service. This responsibility extends to sub-tier documents referenced on the drawings or within the specifications.

The Hudson MFG LLC Purchase Order references the item to be procured and the current revision level.

When applicable, Purchasing will also reference sub-tier drawings and/or specifications and the appropriate revision level on the Purchase Order.

Hudson Purchasing provides or assures the Supplier has the correct document revision level of each required drawing or specification.

The Supplier is responsible for assuring availability and application of the required drawings and specifications to the appropriate revision level. If the correct revision level of a drawing or specification is not available, the Supplier should contact Hudson Purchasing.

## 5.0 IDENTIFICATION AND MARKING OF PARTS, MATERIAL & COMPONENTS

Parts, material and components supplied to Hudson MFG LLC must be identified so that identity can be maintained at all times. Instructions for methods of marking may be specified by drawing or by purchase order.

Where physical identification of the procured item is not required by drawing or purchase order, physical separation, procedural control, or other appropriate means shall be employed by the Supplier to assure operational integrity.

The minimum identification of material shipped to Hudson MFG LLC must include the following:

- Hudson MFG LLC Purchase Order
- manufacturer's/Supplier's Name
- Hudson MFG LLC Part or Drawing Number and Revision

Identification markings as required by Code of Federal Regulation title 27 will be processed accordingly for all HSQR200 procurement.

Materials that require special processing as part of the Hudson MFG LLC drawing (IE: heat treatment, plating, coating, painting, etc.) lot traceability associated with the special process shall be provided or listed on applicable certifications or traceable within the documentation provided.

Additionally, any items that are age-sensitive or have limited shelf life



must be identified as such.

## 6.0 SUPPLIER QUALITY RATING

Hudson MFG LLC rates suppliers annually as a minimum for Quality. The rating is calculated based on submitted lots and number of NCRs charged to the supplier for defective product or services, including documentation deficiencies.

SDRs are charged to the supplier when the nonconforming condition was caused by the suppliers manufacturing and documentation processes or those of their subcontractors.

SDRs submitted for drawing or specification errors are not charged to the responsible Supplier.

## 7.0 DISPUTING NCR CHARGES

Purchasing and Quality Assurance review all NCR charges assigned to suppliers to assure that the assigned charges are appropriate.

Suppliers who are charged with responsibility for nonconforming product and who, upon review, believe that the charge is incorrect, are encouraged to contact Purchasing or Quality Assurance to dispute the charges.

Hudson MFG LLC Quality Assurance will review and respond to each case presented by a supplier.

## 8.0 SUPPLIER QUALITY REQUIREMENTS - DEFINED

### **8.1 HSQR100 - Commercial Products and Services**

#### 8.1.1 Quality Management System, General Requirements (QAM 4.1)

The supplier shall prepare a quality manual and procedures covering the requirements of HSQR100.

The manual shall outline the structure of documents used to implement the Quality Program. The range and detail of procedures that form the quality program should be based on the skills and training of personnel, the methods used and complexity of the work or product.

#### 8.1.2 Control of Records (QAM 4.2)



The supplier shall establish a documented procedure for defining the controls needed for the identification, storage, protection, retrieval, retention & disposition of records.

The supplier shall maintain adequate quality records which may include, but are not limited to:

- management reviews
- audit reports
- inspection and test records
- calibration records
- nonconformance reports
- corrective/preventive actions
- material certifications
- process qualifications and certifications
- personnel qualification records
- design reviews (if applicable)

Quality records shall be made available for review at any time during the manufacturing cycle and shall be maintained on file for a minimum of 3 years after shipment of the product.

Certificate of Compliance or Certification to test results, as required by purchase order, drawing or specification must accompany each shipment.

Variable test data and a calculated Cpk will be reported on a minimum sample size of 32 parts for each value stream (IE: each mold, each machine center, each die, each fixture, etc.) of all critical dimensions identified by drawing with CpK requirements. Noncompliant CpKs will require SDR processing per this appendix. CpK data will be submitted during Hudson source inspection or via email after conclusion of the CpK inspection.

First Article Verification (FAV) results will be required by the Supplier when: listed or referenced on the Purchase Order; notified by Hudson Quality Department email within 11 calendar days of PO issuance, Supplier's first production issuance of the PO listed part number, or upon Supplier's modification of the value stream. Modification of the value stream includes: modifications to a mold or die, introduction of a new machining center or other process modifications determined by the Supplier as relevant. FAV results will be reported on a minimum sample size of 5 parts for each value stream (IE: each mold, each machine center, each die, each fixture, etc.) of all dimensions identified on the applicable drawing. Attribute acceptance may be reported on drawing features exhibiting a tolerance range requirement greater than .021 inches. Variable inspection results are required on all drawing features exhibiting a tolerance range requirement of .020 (+/- .010) and lower. All requirements stated by drawing notation, will require a compliant or noncompliant reporting. All noncompliant reporting



associated with an FAV submittal will require Supplier Deviation Request processing per this appendix at the time of FAV submittal.

**NOTE: FAV dimensional reports may be submitted in advance of First Article Sample shipment but FAV acceptance will require processing of the applicable FAV samples by Hudson MFG LLC before FAV approval can be authorized by the Quality Department.**

Certificate of Compliance, Certification to test results, FAV and CPK results submitted to Hudson Quality will include the following identifying data:

- must be on Company letterhead
- supplier name
- manufacturer's name and address (if different from above)
- Hudson MFG LLC purchase order number and line item(s)
- drawing number and revision
- lot quantity
- manufacturers lot number (if applicable)
- heat number(s) (if applicable)
- specification number(s) and revision (if applicable)
- Supplier Deviation Request number (if applicable)
- test analysis results (as required)
- value stream information (if multiple value streams are present)
- statement of compliance/conformance to drawing requirements
- date, name and title of responsible, authorized agent of the supplier's company

All quality records submitted by the supplier shall be traceable to a Hudson MFG LLC purchase order. When practical, a copy will be sent with each shipment. But all shipments require electronic document submittal to the Hudson MFG LLC Quality Engineer and Hudson Purchasing. Email to be used for this is:

[Scott.MacKenzie@HudsonMFGLLC.com](mailto:Scott.MacKenzie@HudsonMFGLLC.com)

[Barbara.Stockford@HudsonMFGLLC.com](mailto:Barbara.Stockford@HudsonMFGLLC.com)

#### 8.1.3 Control of Documents (QAM 4.2.3)

The supplier shall maintain a documented procedure for control of data and documents which provides the following:

- the correct revision level of the documents are available and used
- obsolete documents are either removed from circulation or properly identified and controlled to prevent unintended use.

#### 8.1.4 Management Commitment (QAM 5.1)



Top management shall provide evidence of its commitment to the development and implementation of the quality management system and its effectiveness by:

- communicating importance of meeting customer as well as statutory & regulatory requirements
- establish quality objectives
- conduct management reviews
- ensure availability of resources

Top management shall review the organization's quality management system at planned intervals to ensure its continuing suitability, adequacy and effectiveness. This review shall include assessing opportunities for improvement and the need for changes to the quality management system. Records from the management review shall be maintained. The organizational structure should be clearly stated with lines of authority and communication defined.

#### 8.1.5 Customer Focus (QAM 5.2)

The supplier shall conduct a review, as appropriate, of the contract requirements prior to acceptance of an order to assure they have the capability to satisfy the requirements.

#### 8.1.6 Design & Development (QAM 7.3) (if applicable)

The supplier shall maintain documented procedures to control and verify the design of product in order to ensure that the specified requirements have been met. The design control system should address the following activities:

- design and development planning
- organizational and technical interfaces
- design Inputs
- design outputs
- design reviews
- design verification
- design validations
- design changes

#### 8.1.7 Purchasing (QAM 7.4)

The supplier shall establish a system for evaluating and qualifying subcontractors of products and services. A list of qualified sources and records of the evaluation shall be maintained and available for review.



Purchasing documents shall contain data clearly describing the product or service required and any special quality or contract requirements necessary for the subcontractor to satisfactorily complete the purchase order.

The supplier should maintain a system for verifying that the subcontractor has provided the product or service in compliance with the purchase order requirements.

#### 8.1.8 Verification of Purchased Product (QAM 7.4.3)

The supplier shall maintain documented procedures for inspection and testing activities in order to verify that the product meets the specified requirements. The procedures shall describe the methods for identifying the inspection and test status of product.

Inspection and test equipment shall be selected based on the type of measurements and the accuracy and precision necessary to demonstrate product conformance.

Equipment used for acceptance of product shall be controlled, calibrated and properly maintained.

Records of all inspection and testing activities shall be maintained and available for review. The records should clearly demonstrate the product or service conforms to all purchase order requirements and should identify the individual responsible for product acceptance.

#### 8.1.9 Product and Service Provision (QAM 7.5)

The supplier shall ensure that production and special processes are performed under controlled conditions. At a minimum, procedures should be implemented to assure:

- compliance with referenced standards, codes and specifications,
- monitoring of process parameters and product characteristics,
- criteria for workmanship,
- suitable maintenance of equipment,

Personnel who perform welding, brazing, non-destructive testing and soldering shall be qualified in accordance with the appropriate industrial standards.

Records shall be maintained for qualified processes, equipment and personnel, as appropriate.

#### 8.1.10 Control of Monitoring and Measuring Devices (QAM 7.6)

The supplier shall maintain a documented system for the control, calibration and maintenance of all inspection, measuring and test equipment used to demonstrate the





conformance of product to specified requirements. The calibration system shall include the following:

- detailed procedures for the calibration of inspection and test equipment
- control of the environmental conditions where equipment calibrations are accomplished
- use of appropriate standards during calibration
- provisions for the handling, preservation and storage of inspection, measuring and test equipment
- records of calibration history including evaluations of equipment found to be out of calibration and the potential impact on previous inspections and test results

#### 8.1.11 Control of Nonconforming Product (QAM 8.3)

The supplier shall implement procedures to identify, segregate (where practical) and document product which does not conform to specified requirements.

Suppliers shall process a Supplier Deviation Request (SDR) for all nonconforming conditions detected during the manufacture of Hudson MFG LLC product. SDRs shall be processed in accordance with this QAM Appendix.

Suppliers shall process nonconforming product in accordance with the disposition instructions stated on the SDR. Suppliers shall not ship nonconforming product prior to the disposition of the SDR.

#### 8.1.12 Corrective and Preventive Action

The supplier shall implement a documented procedure for eliminating causes of noncompliance in order to prevent recurrence, as well as causes of potential noncompliance in order to prevent their occurrence.

#### 8.1.13 Internal Audits

The supplier shall conduct internal audits at planned intervals. A documented procedure shall be established to define responsibilities and requirements for planning and conducting audits, establishing records and reporting the results. Records of the audit shall be maintained.

### **8.2 HSQR200 - Commercial Products/Services regulated IAW CFR 27.II.478**

Suppliers providing commercial products/services regulated IAW Code of Federal Regulation (CFR) Title 27 *Alcohol, Tobacco Products and Firearms* Part 478 *Commerce in Firearms and Ammunition* will be subject to all the Hudson MFG LLC requirements stated in noted in section 8.1 of this appendix and supplemented with all applicable



requirements associated with the CFR for the legal manufacture of firearms. CFR will take precedence if contradictions are observed.

### **8.3 HSQR300 Testing Laboratories**

Test laboratories that have received third-party accreditation to ISO/IEC 17025 general criteria for competence of testing and calibration laboratories shall receive approval upon review and approval of requested documentation and certification.

#### **8.3.1 Control of Documents (QAM 4.2.3)**

The supplier shall maintain a system for control of data and documents which provides the following:

- the correct revision level of the documents are available and used
- obsolete documents are either removed from circulation or properly identified and controlled to prevent unintended use

#### **8.3.2 Control of Records (QAM 4.2.4)**

The supplier shall maintain adequate quality records including, but not limited to:

- inspection and test records
- calibration records
- nonconformance reports
- material certifications
- process qualifications and certifications
- personnel qualification records
- design reviews (if applicable)

Quality records shall be made available for review at any time during the procurement cycle and shall be maintained on file for a minimum of 3 years after shipment of the product.

Certificate of Compliance or Certification to test results, as required by Hudson MFG LLC purchase order, drawing or specification must accompany each shipment and include the following identifying data:

- must be on company letterhead
- supplier name
- Hudson MFG LLC purchase order number and line item(s)
- drawing number and revision
- quantity
- manufacturers lot number (if applicable)
- heat number(s) (if applicable)



- specification number and revision
- test results
- statement of compliance or conformance to specified requirements
- date, name and title of responsible, authorized agent of the supplier's company.

All quality records submitted by the supplier shall be traceable to a Hudson MFG LLC purchase order. Forward documents electronically to the Hudson Purchasing and to Quality Assurance at QA@HudsonMFGLLC.com, with the PO number Subject line. When practical, a copy will also be sent with the item.

### 8.3.3 Customer Focus (QAM 5.2)

The supplier shall conduct a complete review of the contract (purchase order) requirements prior to submission of a quote or acceptance of an order to assure they have the capability to satisfy the requirements.

### 8.3.4 Control of Production and Service Provision (QAM 7.5.1)

The supplier shall ensure that production and special processes are performed under controlled conditions. At a minimum, procedures should be implemented to assure:

- compliance with referenced standards, codes and specifications
- monitoring of process parameters and product characteristics
- criteria for workmanship
- suitable maintenance of equipment

Personnel who perform welding, brazing, non-destructive testing and soldering shall be qualified in accordance with the appropriate industrial or company standards. Records shall be maintained for qualified processes, equipment and personnel, as appropriate.

### 8.3.5 Validation of Processes for Production and Service Provision (QAM 7.5.2)

The supplier shall maintain documented procedures for inspection and testing activities in order to verify that the product meets the specified requirements. The procedures shall describe the methods for identifying the inspection and test status of product.

Inspection and test equipment shall be selected based on the type of measurements and the accuracy and precision necessary to demonstrate product conformance. Equipment used for acceptance of product shall be controlled, calibrated and properly maintained.

Records of all inspection and testing activities shall be maintained and available for review. The records should clearly demonstrate the product or service conforms to all purchase order requirements and should identify the individual responsible for product acceptance.



### 8.3.6 Control of Monitoring and Measuring Devices (QAM 7.6)

The supplier shall maintain a documented system for the control, calibration and maintenance of all inspection, measuring and test equipment used to demonstrate the conformance of product to specified requirements. The calibration system shall include the following:

- detailed procedures for the calibration of inspection, measuring and test equipment
- control of the environmental conditions where equipment calibrations are Accomplished
- provisions for the handling, preservation and storage of inspection, measuring and test equipment.
- use of appropriate standards during calibration
- records of calibration history including evaluations of equipment found to be out of calibration and the potential impact on previous inspections and test results.

## **8.4 HSQR400 - Measuring and Test Equipment Calibration and Repair Services**

Calibration services that have received third-party accreditation to ISO/IEC 17025, General Requirements for the Competence of Testing and Calibration Laboratories and/or ANSI/NCSL Z540, Calibration Laboratories and Measuring and Test Equipment – General Requirements shall receive approval upon review and approval of requested documentation and certification.

### 8.4.1 Quality Management System - General Requirements (QAM 4.1)

The supplier shall implement a program to verify that items supplied conform to Hudson MFG LLC's purchase order requirement. The supplier shall maintain appropriate instructions for meeting requirements of this procedure for all items and services supplied.

### 8.4.2 Control of Documents (QAM 4.2.3)

The supplier shall maintain a system for control of data and documents which provides the following:

- the correct revision level of the documents are available and used
- calibration records obsolete documents are either removed from circulation or properly identified and controlled to prevent unintended use

### 8.4.3 Control of Records (QAM 4.2.4)

The supplier shall maintain adequate records, including, but not limited to:



- inspection and test records
- calibration records
- nonconformance reports
- process qualifications and certifications (if required)
- personnel qualification records

Certificate of Conformance/Calibration with identification and traceability of test equipment and standards traceable to national or international standards used for calibration must accompany each shipment and include, or have as an attachment the following identifying data:

- supplier name
- Hudson MFG LLC purchase order number and line item numbers (if required)
- identification of the instrument by make, model, and serial number
- calibration accuracy to manufacturer's specifications unless otherwise approved by Hudson MFG LLC
- pre-calibration results before adjustment or repair. If out of specification, note ranges and error value and report this condition to Hudson MFG LLC within 24 hours. (general statements such as "Failed Receipt Test," "Operational Failure" or "Out of Specification" are not acceptable)
- identification of procedure, manual, or instruction used for calibration.
- date, interval and results of the calibration or test
- identification of any measurement limitations, if any, referenced to the published specifications of the calibration procedure used
- calibration certificate must be signed

All quality records provided by the supplier shall be traceable to a HUDSON MFG LLC purchase order. Forward records electronically to QA [QA@hudsonmfgllc.com](mailto:QA@hudsonmfgllc.com) with the PO number in the email subject line.

#### 8.4.4 Customer Focus (QAM 5.2)

The supplier shall conduct a complete review of the contract (purchase order) requirements prior to submission of a quote or acceptance of an order to assure they have the capability to satisfy the requirements.

Inspection shall be performed to verify conformance with applicable instructions, procedures, drawings and other purchase order requirements.

#### 8.4.5 Control of Monitoring and Measuring Devices (QAM 7.6)

The supplier shall maintain a documented system for the control, calibration and maintenance of all inspection, measuring and test equipment used to demonstrate the



conformance of product to specified requirements. The calibration system shall include the following:

- detailed procedures for the calibration of inspection, measuring and test equipment
- control of the environmental conditions where equipment calibrations are accomplished
- use of appropriate standards during calibration that are traceable to NIST. (alternate bases for calibration shall be approved by Hudson MFG LLC)
- provisions for the handling, preservation and storage of inspection, measuring and test equipment.
- records of calibration history including evaluations of equipment found to be out of calibration and the potential impact on previous inspections and test results.

## **8.5 HSQR500 - Distributor and Catalog Suppliers**

### 8.5.1 Control of Documents (QAM 4.2.3)

The supplier shall maintain a system for control of data and documents which provides the following:

- the correct revision level of the documents is available and used
- obsolete documents are either removed from circulation or properly identified and controlled to prevent unintended use

### 8.5.2 Customer Focus (QAM 5.2)

The supplier shall conduct a complete review of the contract (purchase order) requirements prior to submission of a quote or acceptance of an order to assure they have the capability to satisfy the requirements.

### 8.5.3 Purchasing Process (QAM 7.4.1)

The supplier shall establish a system for evaluating and qualifying subcontractors of products and services. A list of qualified sources and records of the evaluation shall be maintained and available for review.

### 8.5.4 Purchasing Information (QAM 7.4.2)

Purchasing documents shall contain data clearly describing the product or service required and any special quality or contract requirements necessary for the subcontractor to satisfactorily complete the purchase order.

### 8.5.5 Verification of Purchased Product (QAM 7.4.3)



The supplier should maintain a system for verifying that the subcontractor has provided the product or service in compliance with the purchase order requirements.

#### 8.5.6 Preservation of Product (QAM 7.5.5)

Measures shall be established to control the handling, storage, shipping, cleaning and preservation of material and equipment in accordance with work and inspection instructions to prevent damage or deterioration.

### 8.6 HSQR600 - Transportation Services

#### 8.6.1 Customer Focus (QAM 5.2)

The supplier shall conduct a complete review of the contract (purchase order) requirements prior to submission of a quote or acceptance of an order to assure they have the capability to satisfy the requirements.

#### 8.6.2 Preservation of Product (QAM 7.5.5)

Measures shall be established to control the handling, storage, shipping, cleaning and preservation of material and equipment in accordance with work and inspection instructions to prevent damage or deterioration.

### 8.7 HSQR700 - Training and Consulting/Services

#### Customer Focus (QAM 5.2)

The supplier shall conduct a complete review of the contract (purchase order) requirements prior to submission of a quote or acceptance of an order to assure they have the capability to satisfy the requirements.

### SQR800 Field Service and Repair Activities

#### 8.8.1 Control of Documents (QAM 4.2.3)

The supplier shall maintain a system for control of data and documents which provides the following:

- the correct revision level of the documents is available and used
- obsolete documents are either removed from circulation or properly identified and controlled to prevent unintended use

#### 8.8.2 Control of Records (QAM 4.2.4)





The supplier shall maintain adequate quality records including, but not limited to:

- inspection and test records
- calibration records
- nonconformance reports, as applicable
- material certifications, as applicable
- process qualifications and certifications, as applicable
- personnel qualification records, as applicable

Quality records shall be made available for review at any time during the manufacturing cycle and shall be maintained on file for a minimum of 3 years after shipment of the product.

#### 8.8.3 Customer Focus (QAM 5.2)

The supplier shall conduct a complete review of the contract (purchase order) requirements prior to submission of a quote or acceptance of an order to assure they have the capability to satisfy the requirements.

#### 8.8.4 Control of Production and Service Provision (QAM 7.5.1)

The supplier shall ensure that production and special processes are performed under controlled conditions. At a minimum, procedures should be implemented to assure:

- compliance with referenced standards, codes and specifications
- monitoring of process parameters and product characteristics
- criteria for workmanship
- suitable maintenance of equipment

Personnel who perform welding, brazing, nondestructive testing and soldering shall be qualified in accordance with the appropriate industrial standards. Records shall be maintained for qualified processes, equipment and personnel, as appropriate.

#### 8.8.5 Validation of Processes for Production and Service Provision (QAM 7.5.2)

The supplier shall maintain documented procedures for inspection and testing activities in order to verify that the product meets the specified requirements. The procedures shall describe the methods for identifying the inspection and test status of product. Inspection and test equipment shall be selected based on the type of measurements and the accuracy and precision necessary to demonstrate product conformance.

Equipment used for acceptance of product shall be controlled, calibrated and properly maintained.

Records of all inspection and testing activities shall be maintained and available for review. These records should clearly demonstrate the product or service conforms to all





purchase order requirements and should identify the individual responsible for product acceptance.

#### 8.8.6 Preservation of Product (QAM 7.5.5)

Measures shall be established to control the handling, storage, shipping, cleaning and preservation of material and equipment in accordance with work and inspection instructions to prevent damage or deterioration.

#### 8.8.7 Control of Monitoring and Measuring Devices (QAM 7.6)

The supplier shall maintain a documented system for the control, calibration and maintenance of all inspection, measuring and test equipment used to demonstrate the conformance of product to specified requirements. The calibration system shall include the following:

- detailed procedures for the calibration of inspection, measuring and test equipment
- control of the environmental conditions where equipment calibrations are accomplished
- use of appropriate standards during calibration
- provisions for the handling, preservation and storage of inspection, measuring and test equipment
- records of calibration history including evaluations of equipment found to be out of calibration and the potential impact on previous inspections and test results

#### 9.0 REVISION HISTORY

D1	8/26/2016	Initial Release
D2	9/14/2016	Added FAV requirements, Restructured section 8.1.2, Revised Footer, records retention period updated to 3 years, 4 minor typos, Corrected email address from <a href="mailto:QA@HudsonMFGLLC.com">QA@HudsonMFGLLC.com</a> to <a href="mailto:Scott.MacKenzie@HudsonMFGLLC.com">Scott.MacKenzie@HudsonMFGLLC.com</a>
D3	10/3/2016	Revised references from 7.4.1 to 8.4
1	10/21/2016	Initial Release
2	01/26/2017	Standardize references to Hudson Purchasing, Supply Chain or Buyer to Purchasing and/or Hudson Purchasing.
3	01/30/2017	Add approved company logo and modify protection
4	02/22/2017	Modification to FAV initiation process from "as required by PO" to "as listed or referenced on the Purchase Order; notified by Hudson Quality Department email within 11 calendar days of PO issuance, Supplier's first production issuance of the PO listed part number, or upon Supplier's modification of the value stream".
5	03/01/2017	Modification, FAV sample submittal required before FAV approval