1.0 APPLICABILITY

This document defines restrictions and quality system requirements applicable when goods and services are procured to Moog design authority Build to Print and Build to Specification part numbers. This requirement does not apply to Standard Catalog Hardware; often referred to as “COTS” items or Military, Federal, or Industry specifications and standards.

Standard Catalog Hardware is defined as a part or material that conforms to an established industry or national authority published specification, having all characteristics identified by text description, National/Military Standard Drawing, or catalog item.

2.0 ORDER OF PRECEDENCE

The order of precedence for Moog purchases is defined in Moog Standard Terms and Conditions on the purchase order. Note that the purchase order cannot change design data.

3.0 PROCESS RESTRICTIONS

Unless otherwise directed by the purchase order, the following restrictions apply:

3.1 Glass Beads are prohibited from use in the processing or manufacturing of parts related to all Moog purchase orders except for Standard Catalog Hardware; or Military, Federal or Industry specifications or standards unless allowed by specific note on the Moog drawing. Requests for exceptions shall be submitted in writing to the Moog buyer for each specific part number. Suppliers that use glass beads in their normal processing are required to have an effective method of segregation.

3.2 Elastomeric Compounds shall have 75% or greater storage life remaining upon receipt at Moog based on SAE ARP 5316. The supplier shall identify manufacturers name, compound trade name, batch number, cure date, and specific gravity range and QPL approval status as required by Moog print for each lot.

3.3 Electronic Components (i.e. transistors, integrated circuits, connectors, etc.) ordered to military specifications - The component manufacturer and lot / date code for each component must be identified on the packing list.

3.4 Electrical Discharge Machining (EDM) is not permitted for manufacture of parts related to all Moog purchase orders except for Standard Catalog Hardware; or Military, Federal or Industry specifications or standards unless allowed by specific note on the Moog drawing. Requests for exceptions shall be submitted in writing to the Moog buyer for each specific part number.

3.5 Electrostatic Discharge Protection - Devices designated by the drawing as static sensitive, or otherwise applying static sensitive technology, must be properly handled, packaged, and labeled in conformance with BS EN 100015-1 or MIL-STD-1686.

4.0 QUALITY REQUIREMENTS

Unless otherwise directed by the purchase order, the following quality system requirements apply:

4.1 Quality System Requirements - Suppliers must maintain a quality system that, at a minimum, complies with ISO9001 (latest revision). When supplier compliance and/or certification to AS9100, ISO9001, AS9110, EASA Part 21, EASA Part 145, or FAA FAR 145 is specified by Moog, the supplier is responsible to notify the Moog buyer within 5 working days of any changes in Quality System status, including extensions or reductions in scopes of approval, third party and/or regulatory Quality Approvals that are either gained or withdrawn. The supplier’s loss of certification or failure to notify Moog of their loss of certification could result in being disapproved as a Moog supplier.

4.2 Record Retention – Suppliers shall retain Quality Records for minimum of (10) years from the date of shipment, unless a longer period is otherwise specified. Quality records include the following but not exhaustive list: Approved Certificates of Conformity, Test Reports, Raw Material Certifications, Special Process Certifications, FAIR’s, Route Cards/Travelers, and Calibration Records. This data shall be made available to Moog upon request, at no extra charge. Records shall be appropriately identified in accordance with customer, regulatory and company defined requirements. Storage facilities shall provide suitable environments to prevent deterioration or damage and to prevent loss. Records in storage shall be protected from unauthorized access. The nature of the information in the records, as well as its format, dictates the method by which they shall be destroyed. When records contain sensitive information, they shall be disposed by irreversible destruction methods such as shredding, or “erasure”/reformatting for electronic/magnetic media.

4.3 Calibration System - Calibration of measuring and test equipment used for product acceptance shall be traceable to established international or national measurement standards (e.g., BSI, NIST, UKAS, and NAMAS). Procedures for periodic calibration, certification, maintenance of tools and equipment, and an action plan should measuring and/or test equipment be found to be out of calibration shall be established and followed.

4.4 Inspection System - Suppliers shall develop inspection procedures and maintain records of inspection. Records shall include evidence of inspection for all attributes (e.g. AS9102 first article inspection) of products / processes supplied to Moog, show the product has been inspected and/or tested during all stages of manufacturing, identify the name of the individual (i.e. with stamps, etc.) who certified the results, and where applicable include the results of the inspections and tests..

The Moog buyer must be notified prior to any changes in product, manufacturing location, or process definition that were not requested by Buyer. Notification should describe the change or changes that have been made or are being proposed. Moog Quality reserves the right to require its approval of the product, manufacturing location or the process change before the Supplier forwards the product. The supplier is also required to submit a new or delta first article inspection report, if the change(s) affect any of the existing approved first article inspection report characteristics.
4.5 **Travelers** - Suppliers shall maintain a traveler or equivalent control mechanism that directs procedures appropriate for the control of quality and configuration through all stages of production. For Moog designed hardware when Moog changes P/Ns, dash numbers, or P/N revisions AND there is work in process (WIP) for a given contract, the rework instructions must be submitted to the Moog buyer to obtain Moog engineering approval prior to rework.

4.6 **Nonconforming Product** - Suppliers shall ensure that product that does not conform to specified requirements is not shipped to Moog. Dispositions of **Use As Is or Repair** for products under Moog design control shall require written authorization prior to shipment. Suppliers are also required to notify the Moog Buyer within 24 hours of discovering any nonconformance that could potentially affect hardware that has previously been shipped to Moog.

4.7 **Supplier Request for Information/Disposition (SRID)** - Suppliers shall use the SRID electronic TIP SR type nonconformance, accessible through the Supplier Portal, to request review of nonconforming material, change to drawings or specifications, or clarification of requirements. In the event that a supplier is unable to access TIP, they have the option to use the paper SRID form available from the Moog buyer.

Nonconforming material cannot be shipped to Moog without an approved TIP SR type nonconformance or SRID. In addition, all nonconforming product shipped to Moog 1) Must be clearly identified as non-conforming product and packaged separately from the acceptable product 2) Must be accompanied by a copy of the approved TIP SR type nonconformance(s) or SRID(s), and 3) The applicable TIP SR or SRID number(s) must be clearly listed on the packing slip and Certificate of Conformance.

For corrective action requested, the supplier shall: 1) consider the details of the recorded non-conformance/corrective action and request clarification if necessary from the initiator of the request; 2) complete and respond to both the containment and whole corrective action requirements within the timeframe indicated on the non-conformance notification providing an effective short term and long term corrective action.

4.8 **Statistical Techniques** - Suppliers are responsible for understanding and reducing variation within processes, and are encouraged to use control-charting techniques. When control charting is not performed, sample inspection of all attributes shall be performed to ANSI/ASQ Z1.4 (MIL-STD-105), Level II 1.0 AQL, c = 0, BS6001 Part 1 in the US; ISO 2859-1 in the UK, or an equivalent plan approved by Moog. Suppliers using sample (incl. Moog approved) inspection plans are not relieved from the responsibility for all attributes on the part/assembly.

4.9 **Special Processes** - Moog approved special process suppliers (listed at www.moog.com) shall be used on parts related to all Moog purchase orders except for Standard Catalog Hardware; or Military, Federal or Industry specifications or standards, unless otherwise directed by a Moog supplemental quality requirement. The use of a Moog approved supplier does not relieve the supplier from responsibility to furnish acceptable supplies.

4.10 **Supplier Control** - Suppliers, including dealers and distributors, are responsible for ensuring that the applicable requirements of this purchase order are imposed on lower tier procurements for raw material, components or process services being used in the manufacture of products or services being provided.

4.12 **Prohibited Sources** - Moog suppliers and/or sub-tier suppliers are prohibited from using any source listed on the US government Excluded Parties List System (EPLS) (ref. https://www.sam.gov) in the production of products to be delivered to Moog.

4.13 **Counterfeit Parts Prevention** - The supplier shall have a program in place to prevent the delivery of counterfeit parts and materials to Moog. All parts, materials and assemblies (electrical, mechanical, raw material) included in the hardware delivered to Moog shall be procured only from a franchised distributor, OEM (Original Equipment Manufacturer) or OCM (Original Component Manufacturer). If it is determined in a specific instance that this is not possible, a SRID (Supplier Request for Information/Disposition) must be submitted to Moog Purchasing within (5) working days of this determination. The supplier is responsible for the flow down of this requirement to its sub-tier contractors and their compliance to it. Further guidance on counterfeit parts avoidance can be found in SAE documents AS5553 (Electronics) and AS6174 (Material).

4.14 **Right of Entry** - Representatives of Moog, Moog’s customer, and other regulatory authorities shall have access to supplier’s and all other facilities involved in the order, where they shall have access to all procedures, practices, processes, associated documents and records related to quality assurance, quality control, and configuration control. The supplier shall notify Moog in writing to any significant facility or organizational changes such as company name, location, or senior quality management. Any change of location by the supplier shall require a full first article inspection on these parts. Moog reserves the right to determine and verify quality of work, records, and material. Such visits shall not preclude subsequent rejection of product and do not absolve the supplier of its product integrity responsibilities.

4.15 **Traceability & Product Identification** - Supplier shall ensure that individual articles and materials and lots thereof are identified and segregated from all other articles, materials, and lots at all times. Records for articles shall indicate the part number, revision level, lot number and if applicable the serial number and associated detailed information. Records for materials shall indicate type, applicable serial numbers, lot numbers, material numbers, batch, date code, cure date, etc. Material or articles furnished by Moog for outside operations must remain identifiable by the Moog supplied lot or serial number. This number must be recorded on all applicable supplier paperwork.

4.16 **Certificate of Compliance** - The Certificate of Compliance shall be shipped with the product to Moog. The Certificate of Compliance is a quality record that shall include Moog part number and drawing revision, Military, Federal, or Industry specification number, purchase order number, quantity, date shipped, manufacturer’s name and authorized representative signature. In addition, the supplier shall be able to furnish information on their source(s) of supply that could include items such as serial numbers, lot numbers, heat numbers, batch, date code and cure dates and QPL approval status as applicable.

4.17 **Responsibility for Conformance** - Acceptance of product shall not be used as evidence of effective control of quality by the supplier, and shall not absolve the supplier of responsibility for acceptable products or preclude subsequent rejection by Moog customers.
4.18 **Industry Specifications and Standards** - For all Military, Federal, and Industry specifications and standards, the supplier shall comply with the revision in effect at the time the Moog purchase order is issued. Moog reserves the right to request a different revision that would be specified on the purchase order.

4.19 **Training** - Suppliers shall ensure that all personnel performing activities on Moog product affecting quality have been suitably trained. Personnel performing assigned tasks must be qualified on the basis of appropriate education, training, and/or experience. The supplier shall ensure that training records are maintained and available upon request.

4.20 **Handling, Packing, & Preservation** - It is the responsibility of the supplier to ensure that the packaging is adequate to protect the components during transportation, handling and storage. Packaging containers shall be appropriate for the size, weight, and fragility of the components being packed.

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1 Jan 2013</td>
<td>Exclude COTS &amp; catalog items (1.0); add glass bead process control reqmt (3.1); increase elastomeric remaining shelf life (3.2); add quality sys options &amp; clarify Moog notification (4.1); define typical records &amp; prohibit charging (4.2); add FAI reqmts (4.4); apply E-SRID (TIP SR) &amp; corrective action reqmts (4.7); clarify sampling &amp; reqd. Moog approvals (4.8); add counterfeit prevention (4.13); add FAI for location chg (4.14); add traceability &amp; product ident reqmts (4.15); clarify COC (4.16); add tng (4.19) &amp; handling/pkg (4.20)</td>
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<tr>
<td>23 Jan 2014</td>
<td>Clarify application to spec, std, catalog hdw (1.0, 3.1, 3.4, 4.9); add record ident, protection, destruction reqmts (4.2); rework instr. approval by Moog engineering (4.5); clarify Moog notification of supplier changes (4.14); add Issue record</td>
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<tr>
<td>23 Apr 2014</td>
<td>Reflect QPL listed elastomerics (3.2, 4.16)</td>
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