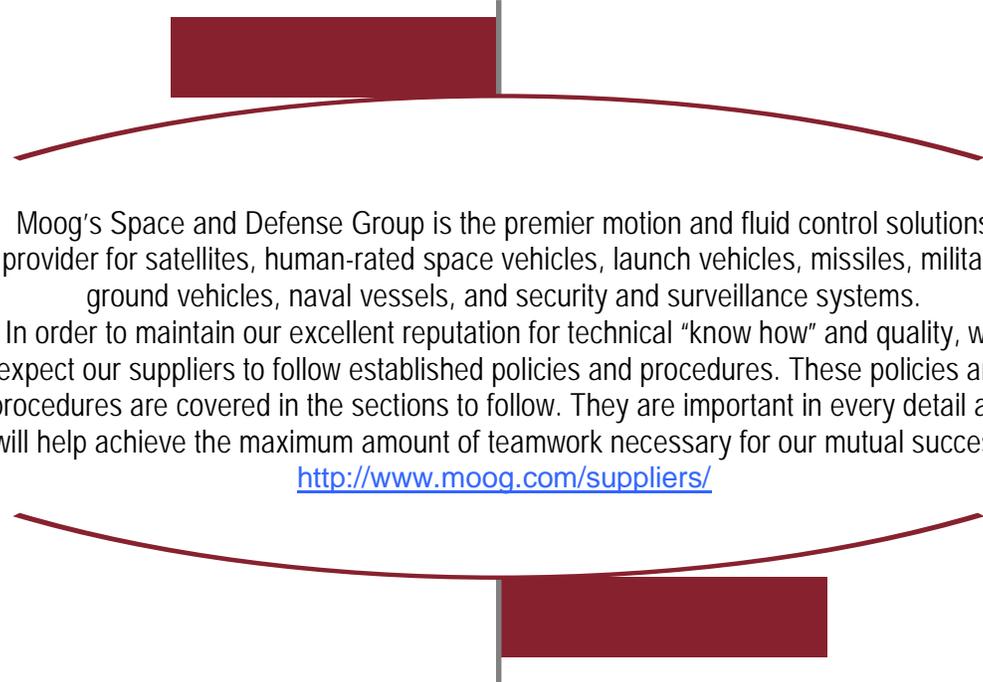


Digital Supplier Handbook

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Moog's Space and Defense Group is the premier motion and fluid control solutions provider for satellites, human-rated space vehicles, launch vehicles, missiles, military ground vehicles, naval vessels, and security and surveillance systems. In order to maintain our excellent reputation for technical "know how" and quality, we expect our suppliers to follow established policies and procedures. These policies and procedures are covered in the sections to follow. They are important in every detail and will help achieve the maximum amount of teamwork necessary for our mutual success.

<http://www.moog.com/suppliers/>

Disclaimer: This Handbook is a tool for suppliers to reference for guidance and convenience. The information in this handbook may be changed without any notice. Please note that this handbook is not a substitute to Moog Terms of Conditions, policies, and procedures. For any questions regarding the handbook or its material, contact Victor Burdukov (vburdukov@moog.com)

Prospective Suppliers

Moog is currently developing a limited, high performance supply base that will be able to produce high quality products on-time at a competitive price. Moog is interested in learning about your capabilities and how you will be able to meet our objectives.

Please review the information on www.moog.com to determine if your products or services might be applicable to Moog and if your company is capable of supporting our published requirements. If your company offers a new or distinct competitive advantage, please contact us by using the attached link.

Your information will be reviewed and where appropriate, forwarded to the responsible buyer. Due to the volume of inquiries received, we will only be able to reply to those that are seen to have potential benefit to Moog.

Your response should include:

- Company name and contacts
- Product or service offerings
- Company overview, dimensions, capabilities
- Quality system information / approvals
- Unique competitive advantage
- Link to your company website

Please email your information to SupplierInfo@Moog.com

To become a Moog supplier, the following steps must be taken:

1. A sales contact must be made, either by Moog or the supplier.
2. A competitive bid must be submitted.
3. The supplier must be approved and placed on the Moog Approved Suppliers List.
4. A purchase order must be issued by Moog.

All parts, materials, and services are purchased from a Moog-approved supplier.

Current Suppliers

REQUEST FOR QUOTE

Requests for Quotes (RFQ) are formal documents that request vendor responses with pricing and availability of products. RFQ's are typically solicited from a number of suppliers. Suppliers do not have to be on the Moog Approved Supplier List to receive a RFQ or Request for Proposal (RFP) for materials and/or services; however, they cannot receive an order without being approved. Be sure to read the document carefully.

REQUEST FOR QUOTATION		MOOG	MOOG INC. PURCHASING DEPARTMENT EAST AURORA, NEW YORK 14052
(THIS IS NOT AN ORDER)			
TO:	MOOG AIRCRAFT GROUP-TORRANCE 20263 WESTERN AVENUE TORRANCE CA 90501		
	UNITED STATES	RFQ NO:	0000164794
		DATE:	2017-02-27
VENDOR:	P0145	REQUESTED BY:	MARK STOLLBERG MSTOLLBERG@MOOG.COM
FAX:	(310) 618-6681	PHONE:	(716) 687-4918
PHONE:	(310) 618-7438	PAGE:	2
INSTRUCTIONS:			
TOOLING A. FURNISH WITH QUOTATION A BREAKDOWN OF TOOLS REQUIRED BY TYPE AND ESTIMATED TOOLING TIME.			
B. TOOLING SHALL BE MAINTAINED IN OPERATING CONDITION AT NO ADDITIONAL COST TO MOOG.			
C. TOOLING CHARGED AGAINST MOOG SHALL BE SUBJECT TO REMOVAL FROM SELLER'S PLANT AT THE DISCRETION OF MOOG.			
D. TOOLING SHALL NOT BE USED FOR PRODUCTION OF ANY PARTS OTHER THAN FOR MOOG WITHOUT ITS WRITTEN PERMISSION.			
E. TOOLING INVOICES MAY BE SUBMITTED FOR PAYMENT AFTER SELLER RECEIVES APPROVAL OF SAMPLE PARTS.			
* UNLESS BUYER SPECIFIES OTHERWISE, ALL ITEMS MUST BE FURNISHED COMPLETE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE DRAWINGS AND/OR SPECIFICATIONS.			
* SPECIAL PROCESSES MUST BE ACCOMPLISHED BY MOOG APPROVED SUPPLIERS. REFERENCE HTTP://WWW.MOOG.COM, (SEE SUPPLIER'S PAGE) FOR THE LIST OF SUPPLIES APPROVED FOR EACH SPECIFIC PROCESS.			
* ALL EXCEPTIONS AND DEVIATIONS FROM DRAWING MUST BE DETAILED IN YOUR QUOTATION.			
* ALL QUOTATIONS MUST BE SUBMITTED IN ACCORDANCE WITH THE TERMS OF THIS REQUEST. THIS REQUEST FOR QUOTATION CONSTITUTES NO OBLIGATION ON THE PART OF MOOG INC.			
* WE RESERVE THE RIGHT TO ACCEPT ANY PART OR ALL OF YOUR QUOTATION ON THE PRICES QUOTED UNLESS OTHERWISE NOTED.			
* MOOG TERMS AND CONDITIONS WILL APPLY TO ANY RESULTING PURCHASE ORDER. THE TERMS AND CONDITIONS ARE AVAILABLE AT HTTP://WWW.MOOG.COM, (SUPPLIERS PAGE).			
* ANY RESULTING PURCHASE ORDER REQUIRES COMPLIANCE WITH THE QUALITY REQUIREMENTS OF SQR-1. REFERENCE HTTP://WWW.MOOG.COM, (SUPPLIERS PAGE).			
* ANY SUGGESTIONS FOR REDUCING COST WITHOUT AFFECTING QUALITY WILL BE WELCOMED AND CONSIDERED.			
* PAYMENT DISCOUNT TERMS WILL BE COMPUTED FROM RECEIPT OF INVOICE, OR FROM RECEIPT OF MATERIAL, WHICHEVER IS LATER.			
IS YOUR COMPANY A SMALL BUSINESS CONCERN? <input type="checkbox"/> YES <input type="checkbox"/> NO			
IS YOUR COMPANY LOCATED IN A HUB ZONE? <input type="checkbox"/> YES <input type="checkbox"/> NO			
IS YOUR COMPANY A SMALL DISADVANTAGED ENTERPRISE? <input type="checkbox"/> YES <input type="checkbox"/> NO			
MOOG AIRCRAFT GROUP-TORRANCE			
QUOTATION VALIDITY PERIOD		F.O.B POINT	
BIDDER'S COMPANY NAME		SUBMITTED BY (TYPED/PRINTED NAME)	
		PAYMENT TERMS	
		AUTHORIZED SIGNATURE / DATE	

Click on the Image Above for an Interactive Request for Quote (RFQ) Guide

PURCHASE ORDER

A Purchase Order will be issued to the supplier awarded the contract for a given item. If you receive a Purchase Order, it is very important that you thoroughly review all of the requirements, quality clauses, and related documents such as engineering drawings and specifications. The requirements should be the same as those on which you based your quotation. A Moog buyer normally will not provide you with military drawings, specifications, or standards referenced on Moog drawings or specifications. These materials are available from a number of commercial sources and should be obtained by you. However, a Moog buyer will furnish Moog documents where applicable.

Please resolve any discrepancies with the Moog buyer before you sign and return the Purchase Order acknowledging acceptance of the Order.

The Purchase Order constitutes the final and entire agreement between the supplier and Moog. It may be either an offer to buy, an acceptance of an offer to sell, or a confirmation of a verbal agreement. Usually it is an instrument in an offer to buy. When the acknowledgement copy of a Purchase Order is signed by a supplier and returned to Moog, it is considered a formal acceptance and becomes a legal contract.

As such, it gives a supplier the authority to ship and to invoice the ordered goods. It is the company's commitment for the amount and value of the goods and constitutes an offer to create a contractual relationship. The Purchase order will contain a precise and clear description of the elements of the order, the terms of the purchase, the time, manner, and place of delivery.

A Purchase Order will state the price and refer to a price quotation or agreement on which the prices are based. An authorized Moog buyer will sign all purchase orders.

PURCHASE ORDER		SHIP TO:		MOOG INC.		PAGE 1				
TO MOOG AIRCRAFT GROUP--TORRANCE 20265 WESTERN AVENUE TORRANCE CA 90501 UNITED STATES		MOOG INC. SPACE & DEFENSE GROUP PLANT 20 500 JAMISON ROAD ELMA, NEW YORK 14059		MOOG INC.						
VENDOR NO. P0145		PURCH. ORD. DATE 20170227		FABRICATION CONTRACT NO. FAB811-11-C-0001		EXEMPTION NO. CA - SR 2 CDS 0225342				
PURCHASE ORDER NUMBER 1703010501		VENDOR TERMS NET 30		MR. JONES		MARK STOLBERG				
ITEM NO.	QUANTITY	MOOG (PART) NUMBER	PRINT REV.	TAX %	DATE REQUIRED	GENERAL LEDGER ACCOUNT	WORK ORDER	UNIT PRICE	UM	EXTENDED TOTAL
1	9	CB10785-004	H N M2		20171229	16000-F00		\$999.9900	EA	\$8999.91
<p>PLEASE NOTE: THE DELIVERY WINDOW FOR EARLY AND LATE DELIVERIES FOR ALL DIVISIONS OF MOOG INC. HAS BEEN MODIFIED. PLEASE SEE THE "ATTENTION" BOX AT THE BOTTOM OF THIS PO FOR DETAILS.</p> <p>MOOG PURCHASE ORDER DELIVERY DATE STATED IS THE REQUIRED ARRIVAL DATE AT MOOG LOCATION. IT IS THE RESPONSIBILITY OF THE SUPPLIER TO COORDINATE WITH THE LOGISTICS PROVIDER/CARRIER (SUPPLIER OR MOOG DESIGNATED) TO ENSURE THE APPROPRIATE TRANSIT TIME IS TAKEN INTO ACCOUNT AND IN PLACE TO ACHIEVE THE ARRIVAL DATE AT MOOG.</p> <p>THIS ORDER IS FOR GOODS AND/OR SERVICES THAT ARE RELATED TO US GOVERNMENT CONTRACTS. MOOG SUPPLEMENTAL TERMS AND CONDITIONS APPLY (FORM 116-32, FOUND AT WWW.MOOG.COM/SUPPLIERS). DPAS RATING: DXAZ CONTRACT NBR: FAB811-11-C-0001</p> <p>RFO NO. 164794 QUESTION NO. 678XYZ UPS NO. PDQ999</p> <p>DRAWING CLASSIFIED FOR US EXPORT AS ECCN 9A604.X</p> <p>INVOICES USED FOR SHIPPING NEW OR RETURN PRODUCT INTO THE US MUST DOCUMENT THE HTSUS CODE OF THE</p>										
REGISTRATION		<p>Terms and Conditions of Purchase The referenced documents are available at http://www.moog.com/suppliers Moog Standard Terms and Conditions. Moog Supplemental Terms and Conditions, for orders in support of US Government Orders. NOTE: No terms or conditions, other than those stated in Moog's Standard Terms and Conditions and supplements, shall be binding on Moog unless agreed to in writing.</p>								
SAMPLE		<p>Quality Requirements The referenced documents are available at http://www.moog.com/suppliers. This purchase order requires compliance with the quality requirements of AS9100 and any other supplier quality clauses attached to the purchase order item. Suppliers are required to use Moog Approved Suppliers for special processes.</p>				<p>Shipping Instructions The referenced documents are available at http://www.moog.com/suppliers. Shipments of purchased items to Moog must be made in accordance with the labeled Freight Guide. Shipments made to Moog are to be free of team peanuts, shredded paper and staples. Loose sealing and marking tags are acceptable. The supplier will ensure proper documentation accompanies the shipment. Show the PO number on all packages, Bill of Lading, and packing sheets.</p>			<p>Invoice Instructions PO number must appear on all invoices and credit memos. Submit all invoices to accounts payable@moog.com or Accounts Payable 400 Jamison Rd East Aurora, NY 14052</p>	

Click on the Image Above for an Interactive Purchase Order (PO) Guide

TERMS AND CONDITIONS

Please note that Standard Terms and Conditions apply to ALL orders. Supplemental Terms and Conditions apply only to Government Rated Orders.

Standard

The general Terms and Conditions of purchase apply to all general purchases. They identify your responsibilities and obligations, as well as those of the buyer, during contract performance. The Purchase Order integrates, merges, and supersedes any prior offers, negotiations, and agreements concerning the subject matter hereof and constitutes the entire agreement between the Parties. Under certain contractual conditions, a separate terms and conditions document may be substituted. Unless expressly accepted in writing by Buyer, additional or differing terms or conditions proposed by Supplier or included in Supplier's acknowledgement are objected to by Buyer and have no effect.

[Standard Terms and Conditions of Purchase](#)

Supplemental

Federal Acquisition Regulations (FAR), Department of Defense FAR Supplement (DFARS), and National Aeronautics and Space Administration (NASA) FAR Supplement. The following clauses set forth in the FAR and DFARS as in effect on the date of this purchase order are incorporated herein by reference. Supplier shall include the following clauses in its lower-tier purchase orders as required. If any of the following FAR or DFARS clauses do not apply to a particular purchase order, such clauses are considered to be self-deleting.

[Supplemental Terms and Conditions of Purchase \(Form 116-32\)](#)

FAR and DFARS clauses at <http://farsite.hill.af.mil>; and
NASA FAR Supplement clauses at <http://farsite.hill.af.mil/vfnasa1.htm>

QUALITY REQUIREMENTS

Supplier Quality Requirements

All Moog purchase orders are subject to the following Quality Control, process, specification and certification requirements and to all requirements stated or referenced on the part drawing and applicable material, processing and inspection specifications. Suppliers shall insure that these requirements or applicable portions thereof are invoked on lower-tier Supplier procurements for supplies or services. Compliance with these provisions in no way relieves the supplier of the final responsibility to furnish acceptable supplies or services in accordance with contract requirements.

[Supplier Quality Requirements \(SQR-1\)](#)

Supplemental Supplier Quality Requirements

The following supplemental Supplier Quality Requirements (SSQR's), Procurement Quality Clauses (PQC's), and Quality Assurance Provisions (QAP's) are applicable when specified on the face of the purchase order and Suppliers shall insure that these requirements or applicable portions thereof are invoked on lower-tier Supplier procurements for supplies and services. Compliance with the provisions of any of the following clauses in no way relieves the seller of the final responsibilities of furnishing acceptable supplies or services as specified in the purchase document.

[Supplemental Supplier Quality Requirements \(SSQR\)](#)

Certificate of Compliance

As required per SQR-1 Section 4.16 and SSQR clause – S010, the Certificate of Compliance shall be shipped with the product to Moog. The Certificate of Compliance is a quality record that shall include the Moog part number and drawing revision, Military, Federal or Industry specification number, Purchase Order number, quantity, serial numbers (if applicable), 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, cure dates, and Qualified Products List approval status as applicable.

First Article Inspection Report (FAIR)

A First Article Inspection shall be performed to satisfy the SSQR clause – S252 – AS9102 First Article Inspection. This can be found through the SSQR link above. It must comply with the requirements of SAE AS9102 Rev. B. For additional information, see the following link or contact your Moog Buyer or Supplier Quality Engineer.

[FAIR Information](#)
[SAE AS9102](#)

Special Process Certification

As required per SSQR clause – S103, the Supplier shall furnish a Certificate of Compliance for each special process (i.e., anodize, heat treating, plating, soldering, x-ray, cleaning, welding, XRF/EDS Screening, Magnetic particle and Penetrant inspection) specified in the purchase order. Parts inspected for prohibited materials using XRF/EDS must list the percentage of the materials on the Certificate of Compliance. The certification

should include: Moog purchase order number, Moog part number and revision, name of processor, date, process specification number and revision, frozen process number (if applicable) and revision.

Raw Material Certification

As required per SSQR clause – S104, the Supplier shall furnish a Certificate of Compliance for raw material specified in the purchase order. The Certificate of Compliance shall list material identification and shall identify, as applicable, condition, chemical and physical properties data, heat number, and manufacturer or producer. When a Moog material specification (i.e., EM xxxx) is listed, the revision letter shall be specified.

Supplier Portal (Supplier Deviation Request)

Suppliers shall use the electronic TIPQA SR type nonconformance, accessible through the Supplier Portal, to request review of nonconforming material, change to drawings or specification, or clarification of requirements. Nonconforming material shall not be shipped to Moog without an approved TIP QA SR type nonconformance.

[Partner Login \(Supplier Portal Tip QA\)](#)
[TIPQA Access Instructions](#)

Supplier Corrective Action Request (SCAR)

A Supplier Corrective Action Request is used to request corrective action from suppliers who furnish items or services with repetitive discrepancies and for rejections when the discrepancy is critical or major and requires immediate corrective action. Suppliers shall use the electronic TIPQA SC or RC type nonconformance accessible through the Supplier Portal.

Approved Suppliers

[Approved Raw Materials Suppliers \(ARMS\)](#)
[Approved Special Process Suppliers \(ASPS\)](#)

SHIPPING INSTRUCTIONS

Inbound Freight Guide

This guide provides direction on the handling of freight shipments wherein Moog is responsible for the charges. If there are specific shipping instructions incorporated in the terms and conditions of the purchase order, they will take precedence over this guide. Suppliers must request freight carrier account numbers from the responsible buyer.

[Inbound Freight Guide](#)

Bar Code

Moog is requesting suppliers provide a bar coded label for each lot shipped. This activity will facilitate ease of processing product upon receipt at Moog and preference to complying suppliers.

[Bar-Code Labeling](#)

INVOICING INSTRUCTIONS

Concurrent with each shipment under this PO, Supplier will mail one original invoice to Buyer's Accounts Payable Department, at the address shown on the face of the PO. It is recommended to email your invoice for the best results. Delays in receiving invoices, errors or omissions on invoices, or lack of supporting documentation will be cause for Buyer withholding payment without losing discount privileges. Payment for the items delivered under the PO will be made in accordance with Order terms, following receipt of a valid invoice, or acceptance of such delivered items, whichever is later.

SUPPLIER RATINGS

All Suppliers have a blended performance rating that is a combination of delivery (40%) and quality (60%). Moog considers any supplier rating under 90% as unacceptable. If a Supplier's 12 month blended rating and has a 3 month declining trend, the supplier may receive a request for a corrective action plan.

Report Cards

Suppliers can find their performance rating on their Supplier Report Cards. Moog Space and Defense is proactively monitoring our supplier base and issuing report cards to suppliers, generally to those who have an unacceptable performance rating. Using these report cards, a supplier may see their corrective action, nonconformance and late delivery history, and determine any areas for improvement. For any questions regarding the issuance of Report Cards, contact your Moog Buyer.

FORMS

Representation and Certification for Government Orders (Form 119-48)

Procurement of material, services, and supplies for a United States Government contract requires that prime contractors, subcontractors, and suppliers comply with socioeconomic programs enacted into public law, implemented by Executive Order, and promulgated by Federal Regulations. Representations and Certifications are required prior to award of any order(s) to your company and must be updated annually or upon a change to your company's Representations and Certifications, whichever comes first.

[Form 119-48](#)

Supplier Request for Information / Disposition (SRID)

[Request for Information / Disposition](#)

Contract Review Form

The Contract Review is a tool created for the convenience of our suppliers to review a RFQ/PO and confirm with their Moog Buyer that they understand the requirements flowed down to them. If you choose to use this, fill out this form as you understand the RFQ/PO requirements and send it to your Moog Buyer for them to confirm that you have understood all of the requirements correctly.

[Contract Review \(CR\)](#)

Glossary

ARMS: Approved Raw Materials Suppliers

ASPS: Approved Special Process Suppliers

CoC: Certificate of Compliance

DFARS: Department of Defense FAR Supplement

DPAS: Defense Priorities and Allocations System Program

FAIR: First Article Inspection Report

FAR: Federal Acquisition Regulations

F.O.B.: Free on Board; Contractual terms between a buyer and seller, which define where title transfer takes place.

NC: Nonconformance

PO: Purchase Order; The purchaser's authorization used to formalize a purchase transaction with a supplier. The physical form or electronic transaction a buyer uses when placing order for merchandise.

PQC: Procurement Quality Clauses

QAP: Quality Assurance Provision

Rev: Revision

RFP: Request for Proposal; A document, which provides information concerning needs and requirements for a manufacturer. This document is created in order to solicit proposals from potential suppliers.

RFQ: Request for Quote; A formal document requesting vendor responses with pricing and availability of products. RFQs are typically solicited from a broad group of suppliers from which a narrower group will be selected and asked to provide a more detailed RFP.

SCAR: Supplier Corrective Action Request

SQR-1: Supplier Quality Requirements

SRID: Supplier Request for Information / Disposition

SSQR: Supplier Supplemental Quality Requirements

TIPQA: Quality Management Tool by TIP Technologies, Inc.

Revision Log



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