

General Information: This document establishes the quality provision guidelines for use in production of **Heartland Precision Fasteners Inc. (HPFI)** (**Buyer**) orders. The vendor is responsible for complying with the general requirements outlined in this document and specific requirements identified in the purchase order.

Quality Management System and Approval: Unless otherwise specified, Vendor accreditation or compliance to the applicable requirements of ISO9001/AS9100 is preferred but not required. If calibration services are being provided, Vendors must meet the requirements of ISO 10012, ISO 17025, or ANSI/NCSL Z540.3. Accreditation is required.

Special Process certification: All Special Process Vendors in the supply chain shall be Nadcap accredited or approved by end customer for the following special processes: Materials Testing Laboratories and Nondestructive Testing.

Product Acceptance: Vendor shall only tender goods to Buyer that have passed inspection in accordance with the applicable inspection system and that otherwise conform to all requirements of the Order. If sampling is used as a means of product acceptance, the sampling plan must be justified based on recognized statistical principles and meets or exceeds the relevant HPFI customer requirements (e.g., SPOC 128, Pratt ASQR 20.1). Vendor warrants goods do not contain any substances regulated as a substance of very high concern (SVHC) in Annex XIV of the EU Registration, Evaluation, Authorization of Chemicals (REACH) directive, unless explicit notification is provided to Buyer in advance and subsequently as new substances are added to the REACH and Annex XIV and Candidate List periodically.

Specifications: Buyer requires its vendors to supply product to the latest revision of customer/industry or other standards specified on its purchase orders and related technical data provided by HPFI, unless otherwise documented and authorized.

Right of Access: Buyer requires its vendors to provide right of access to both their facilities and records. Buyer reserves this right for our customer and any other regulatory authorities.

Buyer Owned Materials: If Buyer provides fixture, measurement equipment, or material ("items"), it shall only be used for the purposes of the Buyer's Purchase Order. Vendor shall, upon discovery, provide notification to Buyer if any Items are lost, damaged, or destroyed.

Nonconforming Materials: Vendors will notify the Buyer of nonconforming processes, products, or services and obtain approval for their disposition. Vendors will also notify Buyer when nonconforming product is detected after delivery. Buyer may request a written report of the Vendor's investigations, conclusions, and corrective action plan to mitigate recurrence of nonconformance.

Counterfeit Prevention: Vendor represents that it shall not furnish counterfeit goods to Buyer, defined as an unauthorized copy, imitation, substitute, or modified part (e.g., material, part, component), which is knowingly misrepresented as a specified genuine part of an original or authorized manufacturer. Refer to AS5553 or AS6174 for guidance.

Changes to process, product, service, or location: Vendors will notify Buyer of changes in their product or process definition and where required obtain company approval. Written notification is required for any significant changes to Vendor's Quality Management System (QMS) on record at the time of approval, Certification Status, Management location or ownership.

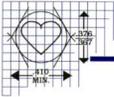
Record Retention: All records that pertain to this PO must be retained by the vendor for a minimum of 10 years. After the retention period, records may be destroyed in a secure manner.

Products & Services for Aviation, Space, & Defense: Vendors providing products and services to the Aviation, Space, and Defense industries will ensure that their team members are aware of their contribution to product or service conformity; their contribution to product safety; the importance of ethical behavior.

Conflict Minerals: Vendors agree to not knowingly supply products that contain "Conflict Minerals" (tin, tantalum, tungsten, and gold) from the Democratic Republic of the Congo ("DRC") and adjoining countries, as described in section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (the "ACT").

Human Trafficking: Vendors agree not to participate in any human trafficking-related activities. These activities include engaging in sex trafficking, using force, fraud, or coercion to subject a person to involuntary servitude, or obtaining labor from a person by threats of serious harm to that person or another person, among others.

Trades/General Subcontractors: Tradesmen and General Subcontractors shall have evidence of competence on file, including any required qualification of persons performing work at the Buyer's facilities. Records of competency and/or qualifications of personnel shall be made available to Buyer upon request.



Sub-Contracting & Flows downs: Subcontracting of any part of the Purchase Order by the vendor requires Buyer written consent. Where appropriate vendors will flow down to the sub-tier vendors the applicable requirements including customer requirements. In the case of any subcontracting or approved delegation of any of its responsibilities or obligations hereunder, Vendor shall perform all supply chain management activities that are necessary for the on-time delivery of goods and/or services conforming to the requirements stated in the Purchase Order. Vendor shall be solely and fully responsible for monitoring said vendors under all provisions of the applicable subcontracts, and for ensuring that each of its vendors complies with the requirements set forth herein. Where critical processes, characteristics, or features are performed outside the Vendor's facility, the Vendor is responsible for ensuring sub-tiers have an adequate Quality Management System and flow-down of applicable material, processes and testing requirements as defined by HPFI and/or their customer.

Information Security Practices: If technical information related to defense product is shared with the vendor, then this term applies. In accordance with DFARS 252.204 7008, FAR 52.204-21, DFARS 252.204-7012, DFARS 252.204-7019, DFARS 252.204-7020, and DFARS 252.204-7021 and Technology (NIST) special publication (SP) 800 171,"Protecting Controlled Unclassified Information in Nonfederal Information Systems and Organizations" security requirements apply. Vendor shall indicate whether deviation from any of the security requirements are in effect during the performance of the purchase order by the vendor or contractors at any tier.

DPAS Rating: If a DPAS rating is shown on the face or any line of this purchase order, then: this is a "DPAS rated" order certified for national defense use. Vendor is required to follow all the provisions of the defense priorities and allocations system regulation (15 CFR 700). All "DPAS rated" orders must be accepted or rejected as follows:

- ♥ "DX" rated POs must be accepted or rejected in writing (hardcopy), or in electronic format, within 10 working days after order receipt.
- ♥ "DO" rated POs must be accepted or rejected in writing (hardcopy), or in electronic format, within 15 working days after order receipt.
- ♥ Rejection of "DO" or "DX" orders must be in writing (hardcopy), or in electronic format, giving the specific reason for the rejection.
- ♥ If, after acceptance of this order, vendor subsequently finds that shipment or performance will be delayed, vendor must notify the buyer immediately in writing (hardcopy), or in electronic format, give reasons for the delay, and advise of a new shipment or performance date.

If both DPAS rated and unrated PO quantities are reflected in this order, you are only required to follow the DPAS regulation as it pertains to the DPAS rated quantities.

Thermocouple/ Sensor Purchases:

- ♥ All sensors (thermocouples) must meet the requirements of AMS 2750.
- ♥ All sensors (thermocouples) must meet and be certified to AMS 2750, ASTM E-230, and BAC 5621.
- ♥ For sensor/thermocouple purchased in rolls – calibration between the highest and lowest calibration reading shall not exceed 2° F.
- ♥ Sensor calibration technique shall comply with ASTM E207 or ASTM E220, or other internationally recognized standards.
- ♥ The maximum length of wire/cable in a roll at the time of calibration shall comply the following table.

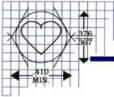
Sensor	Max Length of Wire/Cable in a Roll
Primary standard	200 feet
All other noble metal	2000 feet
All other base metal	5000 feet
Refractory	2000 feet

Boeing Product (BACS & BACB):

When the end customer is Boeing, HPF vendors must meet the requirements that flow-down the Supply Chain in the most current revision of D6-87282. This document can be found on the Boeing website at: <https://www.boeingsuppliers.com/quality.html>.

For Boeing products, the following Government FAR and DFAR clauses apply:

- ♥ FAR 52.244-6 Subcontracts for Commercial Items.
- ♥ FAR 52.209-06 Protecting the Government's Interest when Subcontracting with Contractors debarred, suspended, or proposed for debarment.
- ♥ FAR 52.222-50 Combating Trafficking in Persons
- ♥ DFARS 252.244-7000 Subcontract for Commercial Items and Commercial Components (DOD Contracts)
- ♥ DFARS 252.204-7012 Safeguarding of Unclassified Controlled Technical Information
- ♥ DFARS 252.223-7008 Prohibition of Hexavalent Chromium
- ♥ DFARS 252.227-7015 Technical Data - Commercial Items, applies if any technical data related to commercial items developed in any part at private expense will be obtained from Seller for delivery to the Government.
- ♥ DFARS 252.227-7037 Validation of Restrictive Markings on Technical Data.
- ♥ DFARS 252.246-7003 Notification of Potential Safety Issues.
- ♥ DFARS 252.246-7007 Contractor Counterfeit Electronic Part Detection and Avoidance System.



Material Testing – Proficiency Testing Laboratories must conform with AC7101/14 Appendix B:

Rules for acceptance of commercial proficiency testing providers. The *Full Process Provider, to be recognized by the MTLTG, shall be compliant with Criterion 1 or Criterion 2.

**Full Process Provider - A provider that supplies the sample in a condition to require participating testing laboratory to utilize their entire process (e.g., sample preparation and testing). (Not one that submits photographic sample for review only.)*

Criterion 1: ISO 17043 or ILAC G-13 Compliance and 3rd party accreditation (such as ISO 9001, ISO/IEC 17025, and the scope of the accreditation corresponding) and the following rules. OR

Criterion 2: ISO 17043 or ILAC G-13 Accreditation and the following rules.

- ♥ Rule 1: Materials and tests scope offered by the provider comply with aeronautic requirements (Standard used are listed in our referenced documentation).
- ♥ Rule 2: Homogeneity study of material shall be explained and compliant with Rules 3 and 4:
- ♥ Rule 3: 20 specimens per sheet, tubes or batch is recommended for the homogeneity analyses. Less than 10 specimens per sheet, tubes or batch analyses will not be accepted.
- ♥ Rule 4: Risk analyses to exclude a participant because of an inhomogeneous material shall be less than 5%.
- ♥ Rule 5: The number of participants per test program shall be more than 30 to have a robust statistical analysis (less than 10 not accepted (per ASTM E2489)).
- ♥ Rule 6: Time process between the beginning and the end of the program shall be less than 6 months (Root cause analyses concern).
- ♥ Rule 7: Time process between the final reporting of results and the data analysis report shall be less than 3 months (Root cause analyses concern).
- ♥ Rule 8: Numbers of specimens per test (sufficient number of specimens to ensure repeatability).
- ♥ Rule 9: Statistical analyses performed (repeatability, median & sigma or k studies).
- ♥ Rule 10: Report shall clearly state class identification of results and a graphical depiction of population fit.

Date	Revision	Approved By	Description of Change
5/10/2024	A	<i>Stephanie Ford</i>	Initial Release.
11/7/2024	B	<i>Bryan Johnson</i>	Update per 2024 MTL NADCAP Self Audit results: AC7101/14 Rev NA – New Requirements – Added “Material Testing – Proficiency Testing Laboratories must conform with AC7101/14 Appendix B”
6/23/2025	C	<i>Dyllan Hayes</i>	Added Boeing D6-87242 flow-down.
12/9/2025	D	<i>Dyllan Hayes</i>	Added Conflict Mineral & Human Trafficking requirements. Formatting.