

PURCHASE ORDER QUALITY PROVISIONS

The provision number listed on the face of the purchase order are explained in detail below. Listed provisions become part of the order and compliance must be accomplished.

- 1 **CERTIFICATE OF ANALYSIS**
One (1) copy of a completed mill certified test report including chemical and physical properties for all raw materials are required with each shipment attached to the packing list. Whenever direct reference to a specific material specification is made by the drawing and/or purchase order, all certifications will include the applicable specification and its latest revision letter. These include, but are not necessarily limited to, SAE/AMS or MS specifications. Notwithstanding the provision of the applicable specifications, the supplier's processing will not alter the chemistry of the item furnished. Additionally, all such reports must include the Projects, Inc. P.O. number and quantity shipped.
- 2 **CERTIFICATE OF COMPLIANCE**
One (1) copy of a Certificate of Compliance indicating parts meet all applicable specifications signed or stamped by an authorized company representative, are required with each shipment attached to the packing list. Certificates of Compliance will contain, as a minimum, supplier name and address, *Projects, Inc.* part number and revision, purchase order number, quantity shipped, and heat/lot number (raw material, castings).
- 3 **ROLL-THREADS PER AS7470, AS7452 OR AS7478**
Data test reports are required for the following characteristics, as defined in AS7470/AS7452, & AS7478: Flow lines; Internal defects; Microstructure; Internal defects, threads; Surface hardening. You must insure that sample sizes tested are as specified in Table 7, Col. B of the specification.
- 4 **AUTHORITY**
Decisions or agreements between the supplier and *Projects, Inc.* coordinating personnel will not be binding upon either party unless authorized by purchase order or amendment, thereto.
- 5 **SUPPLIER QUALITY SYSTEM**
The supplier will maintain a Quality Control System per ANSI/ASQ9001; AS9100; or appropriate NADCAP certification as amended. This system will provide for the control of incoming material, special processes, manufactured material, and outgoing product. Responsibility for the control of quality will be clearly designated within the supplier's organization. The supplier will retain and utilize *Projects, Inc.* drawings, specifications, and other contractually applicable documents, and his Quality System will utilize written records to show conformance to these requirements. Supplier will, upon request, make available to *Projects, Inc.* personnel detail drawings, processing descriptions, and/or inspection plans. If such information is considered proprietary, the availability can be at the supplier's site or as such other arrangements as may be made with *Projects, Inc.*
- 6 **RIGHT OF ACCESS**
Projects, Inc., its customers and representatives of the FAA/EASA, will have the right to access the supplier's and sub-supplier's operations and applicable records to evaluate their capability to comply with contractual requirements.
- 7 **CONTROL OF SUB-SUPPLIERS**
The supplier will be responsible for the flow down of requirements/specifications to sub-tier suppliers including key characteristics where required.
- 8 **SUPPLIER'S INCOMING MATERIAL**
Supplier procured parts and material used on items supplied to *Projects, Inc.* will be subject to a system that will assure conformance to drawing and specification requirements. The system will use test reports, specifications, and inspection verification, as appropriate, of the physical and chemical properties of materials. Raw material will be clearly identified as to the composition and heat treatment and will be stored in a proper manner.
- 9 **CONTROL OF QUALITY RECORDS**
Records of inspections, tests, purchase materials, special processing, engineering changes, serial numbers, and other quality control activities will be maintained and available for review by *Projects, Inc.* personnel. Such records will be stored I.A.W. the requirements specified on the applicable purchase order.
- 10 **SAMPLING PROCEDURES**
When performing less than 100% inspection, sampling procedures will be based upon ANSI/ASQ-Z1.4 or an equivalent statistically based plan approved by *Projects, Inc.* Quality Assurance. Regardless of sampling plan used, any rejects found by *Projects, Inc.* during Receiving Inspection will be cause for rejection of the entire lot.
- 11 **DOCUMENT AND DATA CONTROL**
The supplier will not make any changes to the approved design of a product designed by *Projects, Inc.* or the supplier to *Projects, Inc.* specified requirements unless *Projects, Inc.* Purchasing provides revised documentation. The supplier will maintain a change control system to ensure all changes to drawings, specifications, and/or test methods are incorporated in the documentation, processing system, and the product at the points defined in the change document. When a supplier's drawing number and change level are specified on a *Projects, Inc.* drawing, products must conform to both the supplier's and *Projects, Inc.* drawings at the change levels shown. Supplier requested changes to drawings and processes must be transmitted to *Projects, Inc.* with sufficient data to enable complete evaluation of the request. They will not be incorporated until authorized in writing by *Projects, Inc.* Purchasing.
- 12 **PROCESS CONTROL**
Specific controls will be established, defined in writing, maintained, and recorded by the supplier on all manufacturing processes. The supplier, in the course of continued manufacturing of the product, will not make changes to any of the operating or controlling parameters associated with processes without the written approval of *Projects, Inc.* Purchasing. These processes will include, but are not limited to, machining, grinding, heat treating, welding, brazing, cleaning, soldering, bonding, peening, plating, painting, vulcanizing, etc. All special processes will be performed by qualified personnel.
- 13 **CONTROL OF INSPECTION, MEASURING AND TEST EQUIPMENT**
The supplier will provide suitable tools, gages, and test equipment for fabricating, measuring, and testing for conformance. The supplier will maintain a system to provide for periodic inspection and calibration of his measuring and test equipment per ANSI/NCSSL-2540-1, traceable to the National Institute of Standards and Technology or applicable foreign regulatory standards. Evidence of such checks will be recorded by the supplier and available for review by *Projects, Inc.* Quality Assurance.
- 14 **PRODUCT IDENTIFICATION AND TRACEABILITY**
All parts supplied to *Projects, Inc.* will be marked in accordance with purchase order and/or drawing requirements. If serial numbers are assigned by the supplier or are required by *Projects, Inc.* specifications or drawings, they will be non-recurring and the supplier will maintain records of their application.
- 15 **HANDLING, STORAGE, PACKAGING, PRESERVATION, AND DELIVERY**
The supplier will maintain controls to assure parts are received in an undamaged condition at destination. The supplier will comply with special packaging and/or preservation requirements that may be included in purchase order specifications or drawings.
- 16 **ACCEPTANCE**
Acceptance will be at *Projects, Inc.*'s plant or as otherwise specified on the purchase order. Any units or lots determined as nonconforming may be returned to the supplier. *Projects, Inc.* will not be obligated to subject nonconforming shipments to 100% inspection. When reshipping material to *Projects, Inc.* which has been reworked as a result of its return to the supplier as nonconforming, the supplier will indicate on the packing slip and certifications, "Return of Reworked Material" and include the debit memo number and reject number under which the material was returned to the supplier by *Projects, Inc.* When applicable, Repair Station number and Repairman Cert. number must be documented on all certifications/test reports.
- 17 **CONTROL OF NONCONFORMING PRODUCT**
The supplier will maintain a system for the control, segregation, identification, and disposition of nonconforming product items that do not conform to purchase order requirements and will not be shipped to *Projects, Inc.* without prior written approval. If prior to shipment, the supplier detects a nonconformance, the supplier will submit a Supplier Deviation Request to *Projects, Inc.* (copies of form may be obtained from Purchasing). When nonconforming supplies of this nature have received *Projects, Inc.* approval, a copy of the approved Supplier Deviation Request must accompany the affected product when it is shipped to *Projects, Inc.* *Projects, Inc.* requests for corrective action must be answered within the time period specified on the Supplier Corrective Action Request. The supplier will notify *Projects, Inc.* of products, articles, or services that have been released from or provided by the supplier and subsequently found not to conform to purchase order requirements.
- 18 **SOFTWARE CONTROL**
The supplier will establish and implement a Software Quality Assurance Plan (SQAP) to assure that deliverable software and non-deliverable software used directly for the design, fabrication, inspection, test, or operation of deliverable articles is controlled and complies with the intent of UTC ASQR-01 requirements. For deliverable software and software contained in deliverable articles, all elements of UTC ASQR-01 must be addressed and appropriately tailored in the SQAP, for non-deliverable software, such as Computer Aided Design (CAD), Computer Aided Inspection (CAI), and Automated Test Systems (ATS), the SQAP will, as a minimum, address software development, test criteria, documentation, library control, and subcontractor control.
- 19 **SOURCE INSPECTION**
Projects, Inc. Quality Control/Consumer/Regulatory Agency will inspect parts at the supplier's facility as part of or in addition to its incoming inspection activity. Acceptance of parts by source inspection operation does not preclude subsequent return of the parts if further inspection detects specification nonconformance. The supplier will notify *Projects, Inc.* purchasing 72 hours prior to source inspection.
- 20 **MERCURY FREE**
Material furnished under this purchase order must be certified as "Free of Mercury" in any form. Mercury bearing instruments and/or equipment which may cause contamination will not be used in the manufacture, assembly or testing of these materials. This requirement must be passed on to sub-tier contractors.
- 21 **ACCEPTANCE TEST DATA**
Supplier's Quantitative Acceptance Test Data must accompany each shipment. Data must reflect actual measurements and method of test.
- 22 **MCL**
In addition to the provisions of paragraphs #1, #2, #21, and # 24 set forth, herein, the supplier will further certify that the materials furnished on this order comply with the applicable sections of Pratt & Whitney Materials Control Laboratory Manual, i.e., F1, F14, F17, F22, F40, F44, F45, and PWA-300, as amended.
- 23 **CERTIFIED SUPPLIERS**
Suppliers will maintain *Projects, Inc.* approved Manufacturing and Quality Assurance Systems, inspection plans, and documentation.
- 24 **HEAT CODES**
All materials/parts supplied on this purchase order must be identified with a representative heat lot code. This code must be applied in accordance with applicable drawings specifications. Contract the Buyer for the applicable code number(s). In those cases where the original Mill Test Report is not available, the supplier will document on their C of C the heat/lot identification number for each material lot supplied.
- 25 **AS9100**
The supplier's Quality Control System must conform to the requirements of AS9100 as amended.
- 26 **SPECIAL PROCESS**
When the *Projects, Inc.* drawing and/or specification requires special processes, a certification is required for each special process, including the source/personnel performing the process.
- 27 **APPROVED SOURCES**
Suppliers must use *Projects, Inc.* approved sources for subcontracted special processes and nondestructive testing.
- 28 **SHELF-LIFE**
All material furnished under this purchase order must be identified with the respective cure/manufacture date and shelf-life expiration date, when applicable. All perishable or limited shelf-life items requiring controlled storage temperature must be supplied in containers noting the special storage requirements. Material shipped to *Projects, Inc.* will have a minimum of 66% remaining of the specified shelf-life.
- 30 **FIRST ARTICLE INSPECTION**
Projects, Inc. Quality Control will perform first article inspection on this order. Notify *Projects, Inc.* purchasing agent 48 hours prior to first article inspection.
- 31 **STATISTICAL TECHNIQUES**
All items on this order will be controlled during manufacture using statistical techniques. *Projects, Inc.* will specify key characteristics. Control plans and control charts will be subject for review at the request of *Projects, Inc.* quality assurance.
- 32 **ASTM - E 585-S5**
Must meet requirements of ASTM - E 585 supplementary requirement S5 for standard mineral insulated thermocouple cable. Calibration to be performed at supplier standard calibration points unless otherwise specified.
- 33 **FAR PART 145 (FAA REPAIR STATIONS)**
Repair Station number and Repairman Cert. number must be documented on all certifications/test reports.
- 34 **GOVERNMENT SOURCE INSPECTION**
All work on this order is subject to inspection and test by Government at all times prior to shipment. The Government Representative who normally services your plant should be notified 48 hours in advance of the time articles or processes are ready for inspection or test. Evidence of this inspection must appear on the packing list.