

Quality Assurance Clauses

APQR01 - CONTROL OF QUALITY

The seller shall maintain a system that complies with AS 9100, ISO9001, or have an established internally approved Quality Management System. Compliance with the provisions of this clause in no way relieves the seller of the final responsibility to furnish acceptable supplies or services. This system shall be subject to audit by Astro Pak representatives.

APQR02 – CHANGE AUTHORITY

The Organization shall provide in writing advance notification to the Customer of any change(s) to tooling, facilities, materials, or processes of the delivered item including sub-tier supplier changes.

APQR03 - CERTIFICATE OF CONFORMANCE

A Certificate of Conformance shall accompany each shipment of material defined in the purchase order. The Certificate of Conformance shall be legible and at a minimum, include the Astro Pak purchase order number, quantity, part number, and revision letter, and/or the Astro Pak Manufacturing Order Number or when specified the Astro Pak lot number (When purchaser-supplied material) and the mill heat number when vendor-supplied material. All supplied raw material shall be of the same lot unless otherwise stated and agreed to per PO. When multiple lots of material are used in completing a shipment, all material lot numbers, or mill heat numbers shall be reported and kept separate. When processing is performed against an Astro Pak order, parts shall not be mixed, and traceability shall be maintained.

APQR04 - CHEMICAL AND PHYSICAL TEST REPORTS

Physical and chemical test report certifications shall be supplied with each shipment. Test reports shall be legible (reproducible condition) and include Astro Pak name, PO #, the material designation, specification and latest revision letter, results of all specified testing requirements, the mill heat number, and any other requirements specified on the purchase order.

APQR05 - MILL TEST REPORTS

Physical and chemical test reports originating from the producing mill shall be supplied with each shipment. Test reports shall be legible (reproducible condition) and provide traceable documentation to Astro Pak name and PO #. The material designation, specification, latest revision letter, and results of all specified testing requirements, the mill heat number and any other requirements specified on the purchase order shall be included with the test reports.

APQR06 - TEST AND INSPECTION REPORTS

Test and inspection report(s) as required by the applicable procurement specification must accompany each shipment. Test reports shall be legible (reproducible condition) and include the designation, specification, and latest revision letter.

APQR07 - FIRST ARTICLE INSPECTION

First Article Inspection is required on a part representative of the production process to

be used in the manufacture of these parts. A copy of the First Article documentation is to be maintained on file and available upon request of Astro Pak.

APQR08 - RECORD RETENTION

Vendor shall retain all records pertaining to material, manufacturing processes, special processes, testing, and inspection for seven (7) years or on special projects ten-(10) years minimum. Notify Astro Pak prior to destruction.

APQR09 - NONCONFORMING PRODUCT CONTROLS, RECALLS & ESCAPEMENT NOTIFICATION

Subcontractors are required to report any failure, malfunction, or defect in any product, part, process, or article that is manufactured and delivered to Astro Pak.

APQR10 - PRODUCT QUALITY

Products shall be uniform in quality and condition, sound and free from foreign materials and imperfections detrimental to the usage of product. The product must be of an overall quality consistent with good industry practices and adhere to requested PO requirements without deviation.

APQR11 - STATISTICAL PROCESS CONTROL

Statistical Process Control is required during the manufacture of the item(s) for which this clause is called out. SPC shall be in accordance with a plan approved by Astro Pak Quality Assurance. Key, Critical & Significant Characteristics are required to meet Cpk 1.33 min. requirements. Control charts shall be submitted with shipment.

APQR12 - SAMPLING (C=0)

Unless otherwise specified final acceptance when less than 100%, shall be based on a statistically valid method. Zero defect acceptance (C=0) is the required acceptance criteria to be used.

APQR13 - PRECEDENCE OF REQUIREMENTS

In the case of conflicting requirements, the following order of precedence will apply Astro Pak Purchase order, Astro Pak Quality Clauses, Drawing, Material & Process Specification then General Terms & Conditions.

APQR14 – ASTRO PAK SOURCE INSPECTION

Astro Pak source inspection is required at vendor's facility. Necessary equipment and assistance shall be made available to purchaser's representative.

APQR15 – Combined with APQR17**APQR16 - TRACEABILITY**

All parts, material and/or applicable documents must be identified by a manufacturing lot number or batch number by the seller. (A lot or batch number is defined as parts and/or material produced by one manufacturer in one unchanged process, in accordance with the same drawing and/or specification revision.)

APQR17- GOVERNMENT, CUSTOMER OR REGULATORY AGENCY INSPECTION

Government, Customer or Regulatory Agency reserves the right to inspect any or all the work included in this Purchase Agreement at the supplier's plant prior to shipment.

Verification by the customer shall not absolve the supplier of the responsibility to provide acceptable product, nor shall it preclude subsequent rejection by customer. Supplier shall be notified prior to shipment if Government, Customer or Regulatory Agency inspection is required.

APQR18 - AGE SENSITIVE MATERIAL

C of C for age-sensitive materials shall contain the following as a minimum: Date of manufacture (cure date), shelf-life expiration date, and storage conditions to achieve shelf life, if not stated on material package. Shipments with less than 70% of its total shelf life remaining when received by Astro Pak will not be accepted.

APQR19 – SUBCONTRACTED SERVICES

Requested services are to be performed by the contracted supplier. Supplier is not permitted to flow down services to a Sub-tier without prior written approval of Astro Pak. If/when approved by Astro Pak, all Astro Pak requirements will be flowed down to the sub-tier supplier (s).

APQR20 – FLOWDOWN OF REQUIREMENTS (DFARS 252.225- 7014 (ATTACHMENT 2)

When required by contract or PO, raw material or items which contain “specialty metals” (Defined as certain steel and other alloys, titanium, and zirconium) shall be acquired from domestic or “qualifying country” sources.

APQR21 - FLOWDOWN OF REQUIREMENTS (NADCAP)

NADCAP Approved Process Source - When required by contract or PO, the requirement for processing by NADCAP approved suppliers shall be flowed down to the supplier.

APQR22 - FLOWDOWN OF REQUIREMENTS (Eye Exams)

Procedures shall be implemented to ensure annual eye exams are performed for individuals performing visual inspection (calibration, non-weld, in-process, layout, dimensional) and be compliant to near vision requirements of Snellen 14/18, (20/25), Jaeger 2 at 14 inches or Ortho-Rater 8.

APQR23 – VENDOR CONTRIBUTIONS TO FINAL PRODUCT

Astro Pak requests that suppliers be aware of their contribution to product or service conformity, contribution to product safety and the importance of ethical behavior.

APQR24 - COUNTERFEIT PARTS PREVENTION

At a minimum, seller shall have a counterfeit parts prevention plan that incorporates maximizing availability of authentic, originally designed and/or qualified parts throughout the product’s life cycle, including management of parts obsolescence. A documented process to address the detection, verification, and control of in-process (post acceptance) and in-service suspect and confirmed counterfeit parts shall be in place.

