

S T A D C O
QUALITY CONTROL CONTRACT CLAUSES
(Applicable when called out on the Purchase Order/Contract)

Those items called out on the purchase order identify the requirements herein described, which supplement, or are in addition to any specified on the applicable drawings, specifications, and/or on subject R.F.Q. or P.O. as either case may be.

1) Quality System

The **contractor** shall provide and maintain a system of quality control which is acceptable to STADCO Quality Assurance

1a) ISO 9001: 2015 Quality System Requirements

Contractor's compliance with International Standard **ISO 9001 2008**, as currently amended, is required in the performance of this contract.

1b) AS9100 Rev D Quality System Requirements

Contractor's compliance with International Standard **AS 9100 Rev D**, as currently amended, is required in the performance of this contract.

As a minimum the following articles apply to this PO as noted below. Suppliers and there sub-tier suppliers are responsible for the conformance to these requirements.

- 1) The requirements for approval of product, procedures, processes and equipment as specified on this purchase order.
- 2) The requirements for qualification of personnel as specified on this purchase order.
- 3) The requirement for compliance of the Quality Management System as specified on this purchase order.
- 4) The identification and revision status of specifications, drawings, process requirements, inspection/verification instructions and other relevant technical data.
- 5) The requirements for design, test, inspection, verification (including production process verification), use of statistical techniques for product acceptance, and related instructions for acceptance by the organization, and as applicable critical items including key characteristics.
- 6) The requirements for test specimens (e.g., production method, number, storage conditions) for design approval, inspection/verification, investigation or auditing.
- 7) The requirements regarding the need for the supplier to:
 - a. Notify the Stadco of nonconforming product
 - b. Obtain Stadco approval for nonconforming product disposition.
 - c. Notify the Stadco of changes in product and/or process, changes of suppliers, changes of manufacturing facility location and, where required, obtain Stadco's approval.
 - d. The flow down to the supply chain these applicable requirements including customer requirements.
 - e. The requirements for Supplier Personnel are aware of their contribution to Product or Service Conformity including their contribution to Product Safety and the importance of Ethical Behavior.
- 8) Record retention requirements as per quality clause Q30.
- 9) Right of access by Stadco, their customer and regulatory authorities to the applicable areas of all facilities, at any level of the supply chain, involved in the order and to all applicable records and Documented information.

1c) ISO-17025:2017

Supplier will maintain a Calibration System in accordance with International Standard ISO-17025 as Currently amended is required in performance of this Contract.

2) Deleted.

3) Deleted.

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4) **Deleted.**

4a) **Deleted**

4b) **Deleted**

5) **Deleted.**

6) **Deleted.**

7) **Deleted.**

8) **Commercial Item Certification**

Each shipment shall be accompanied by one (1) signed reproducible copy of a Certificate of Compliance that the material furnished complies with the requirements of the Purchase Order. Authorized acceptance stamp or signature shall be affixed.

9) **Quality Conformance**

The **Contractors** will provide a **Certificate of Conformance** which will include a statement of conformance to engineering and contract / purchase order requirements. The Certificate of Conformance will also include, as a minimum, the following information: **Contractor's** name and address; contract/purchase order number; part or material name; part number; serial or lot number; engineering specification and/or drawing number and the applicable revision change and/or amendment; the grade, type or value; quantity; **Discrepancy Reports**; signature and title of the individual representing the said **Contractor**; and date of certification.

10) **Process Certifications**

Each shipment shall be accompanied by one (1) signed reproducible copy of a certification for processes covered by specifications such as, but not limited to: heat treating, welding, magnetic particle inspection, penetrant inspection, ultrasonic inspection, surface treatment, etc. When an order or the parts are identified as being serialized, each certification must refer to and identify the serials numbers involved. The Certificate will also include, as a minimum, the following information: **CONTRACTORS** name and address; specification number and applicable revision change number and the grade, type or value and/or **CONTRACTOR**; and date of certification. Authorized acceptance stamp, signature and title shall be affixed.

11) **Material Certification**

Each shipment shall be accompanied by one (1) signed reproducible copy of a certification that the material furnished has been tested and/or inspected to the requirements of the specification(s) ordered, and has been found in compliance with the specified requirements. The certification shall include the number(s) and revision(s) of the specification(s) to which the material is certified, and the identification of the material lot(s) to which it's applies; the **CONTRACTOR's** name and address; contract/purchase order number; authorized acceptance stamp, signature and title shall be affixed.

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12) **Chemical Test Reports**

Each shipment must be accompanied by one (1) signed reproducible copy of the Test Reports of chemical analysis of the material, listing all the ingredients, and indicate whether they are within an acceptable range, as required by the specification. These reports must assure conformance to specification requirements. Authorized acceptance stamp, signature and title shall be affixed.

13) **Mechanical Properties Test Reports**

Each shipment must be accompanied by one (1) signed reproducible copy of Physical Test Reports and Mechanical properties of the material shipped, and indicate whether they are within an acceptable range, as required by the specification. These reports must assure conformance to specification requirements. Authorized acceptance stamp, signature and title shall be affixed.

13a) **Deleted**

14) **Test Bars (Castings)**

The **CONTRACTOR** shall furnish with each shipment of castings, two (2) test bars representative of each heat lot and made from the same melt as castings supplied and one (1) spectrographic disc representative of the entire heat or melt. The test bars and disc shall be permanently identified by the **CONTRACTOR** with the STADCO Purchase Order number, heat lot number and alloy identification.

15) **Test Bars (Forgings)**

The **CONTRACTOR** shall furnish with each shipment of forgings, two (2) test bars produced from the same heat of material as the forgings supplied. Test bars shall be permanently identified by the **CONTRACTOR** with the STADCO purchase order number, material, heat number, lot number and alloy identification.

16) **Functional Test Reports**

Each shipment shall be accompanied by one (1) signed reproducible copy of reports of actual test results reports must assure conformance to specified requirements. When an order or the parts are identified as being serialized, each certification must refer to the serial numbers involved. Authorized acceptance stamp, signature and title shall be affixed.

17) **Heat or Melt Identification**

All parts and/or material and applicable documents, shall be identified by a heat number, heat code, heat lot number or melt number by the **CONTRACTOR**. All parts and/or material and applicable documents, shall be identified by a manufacturing lot or batch number by the **CONTRACTOR**. A lot or batch number shall be defined as parts and/or material produced by one manufacturer in one unchanged process in accordance with the same drawing and/or specification revision.

Note: Where stamping of individual parts is not practical due to the nature, size, or shape of the part, written identification instructions **MUST** be obtained by the **CONTRACTOR** from STADCO.

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- 18) **Supplier Reporting of Discrepancy**
Any departure from drawings, specifications or other requirements must be recorded and submitted to STADCO prior to shipment of product. Upon receipt of a disposition, two (2) signed copies of any such approved deviation shall accompany each affected shipment.
- 19) **Deleted**
- 20) **Government Source Inspection**
Government inspection is required prior to shipment to your plant. Promptly notify the government representative who normally services your plant so that the appropriate planning for government inspection can be accomplished. On receipt of this order, promptly furnish a copy to the government representative who normally services your plant, or if none, to the nearest Army, Navy, Air Force, or Defense Supply Agency Inspection Office. In the event the representative or office cannot be located, notify the cognizant STADCO buyer immediately.
- 21) **Government Source Inspection (NASA Contracts)**
All work on this order requires inspection and test by the Government at any time or place. The Government quality representative who has been delegated NASA quality assurance functions on this procurement shall be notified immediately upon receipt of this order. The Government representative shall also be notified 48 hours in advance of the time articles or materials are ready for inspection or test.
- 22) **Government Source Surveillance**
All items being manufactured for STADCO on this purchase order are for delivery to the Government and are subject to GOVERNMENT SOURCE surveillance inspection at the **CONTRACTOR's** plant at any time. The GOVERNMENT SOURCE representative may use **CONTRACTOR's** drawings, other pertinent data and facilities during surveillance. The degree of surveillance inspection shall be determined by the cognizant GOVERNMENT SOURCE Quality Representative.
- 23) **Source Inspection - Prime Contractor**
The work scope is subject to interim inspection and test by STADCO's customer at the Contractors plant at anytime. STADCO shall be notified five (5) days in advance of the time when the article, processes or test are ready for such inspection by STADCO's customer.
- 23A) **Surveillance Inspection - Prime Contractor**
The work scope is subject to interim surveillance inspection and test by STADCO's customer at the Contractors plant at anytime. STADCO customer must be given the right of entry to perform these surveillance inspections if needed.
- 24) **STADCO Surveillance Inspection**
Items being manufactured for STADCO are subject to STADCO surveillance inspection at the **CONTRACTOR's** plant at any time. STADCO's representatives may use **CONTRACTOR's** drawings, other pertinent data and facilities during surveillance. The degree of surveillance inspection shall be determined by the cognizant STADCO Quality Representative.

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25) **STADCO Source Inspection**

STADCO Source Inspection is required prior to shipment from **CONTRACTOR's** plant or at specified quality points in the manufacturing process as defined in the schedule of the contract. STADCO representative shall be permitted use of **CONTRACTOR's** special instruments, gauges, and facilities for inspection purposes. STADCO's resident or area Quality representative shall be notified in a reasonable time in advance of the date supplies are ready for inspection. If the STADCO representative is not available, the cognizant STADCO buyer will be notified sufficiently in advance to make arrangements. The cognizant buyer will coordinate and schedule a Quality Representative to perform the source inspection at the **CONTRACTOR's** facility. **CONTRACTOR** shall furnish contractual documents to the STADCO Quality Representative as requested. To schedule source inspection call STADCO Quality Assurance at (323)227-8888, at least twenty-four (24) hrs before source inspection is required

26) **First Article Inspection, STADCO Source**

First Article Inspection shall be performed by STADCO at the **CONTRACTOR's** facility prior to continuing production, unless otherwise directed. The First Item is to be the first production-run part and not a "hand made" prototype. The STADCO representative shall be permitted use of **CONTRACTOR's** special instruments, gauges, and facilities to conduct this inspection. The STADCO Quality Representative shall be notified in writing five (5) days in advance of the date supplies are ready for inspection. If a STADCO Representative is not available, the cognizant STADCO buyer will be notified in a reasonable time in advance of completion of first part manufactured. The cognizant STADCO buyer will coordinate and schedule a Quality Representative to perform the first item inspection at the **CONTRACTOR's** facility. Notification of first item acceptance or an incremental release authorization must be received from the Cognizant STADCO buyer to continue production.

27) **First Article Inspection**

A First Article report per AS9102 is required for one (1) part of each part number. The report shall include a listing of each characteristic to be inspected and the actual results recorded by variables. Only those characteristics that remain unchanged, as supplied by STADCO on partially machined components, are to be excluded from the First Article inspection. First Article items submitted to STADCO for it's written approval shall be accompanied by the Supplier's First Article Inspection Report. FAI approval must be granted prior to continuing production, unless otherwise directed.

28) **Dimensional Inspection Reports**

Each shipment of material must be accompanied by a completed **Dimensional Inspection Report** of all characteristics affected by work performed by the **CONTRACTOR**. Only those characteristics that remain unchanged, as supplied by STADCO on partially machined components, are to be excluded from the inspection.

- A) Unless otherwise specified the report shall consist of a complete 100% dimensional inspection check list of characteristics having a tolerance of .010 or less and any geometric tolerancing.
- B) A complete 100%dimensional inspection report of actual dimensions recorded for all characteristics affected by work performed by the **CONTRACTOR**.
- C) Deleted
- D) A report of dimensions of characteristics as listed on STADCO supplied "data sheet" attached hereto, with actual dimensions recorded for those characteristics having a tolerance of .010 inch or less.

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- E) 100% Inspection – Statistical Process Control (SPC)
Evidence of inspection – Supplier shall furnish evidence of SPC (control plan, key characteristics and process capability) or 100% inspection with last article documented for actual dimensions.

The copy supplied to STADCO shall be stamped, signed and dated and verified by the **CONTRACTOR**, evidence of Source Inspection and GSI buyoffs, shall be included on the report as applicable

29) **Inspection Records**

CONTRACTOR shall furnish a copy of all records of inspection and tests accomplished in accordance with this contract with a statement of conformance and authorized acceptance stamp or signature. Materials, items, components, or assemblies which have undergone Discrepancy Report dispositioning and are subsequently shipped to STADCO, shall reference the Discrepancy Report number on the shipping document along with a statement to indicate the condition of resubmittal (i.e., rework per Discrepancy Report, replacement for lot number/serial number per discrepancy Report, etc.) Also if applicable, the Vendor Inspection Plan shall have the Discrepancy Report referenced. Evidence shall be made available (with the shipment) substantiating successful completion of rework/repair dispositions or replacement of rejected items and the cause of rejection has been corrected (a copy of the dispositioned Discrepancy Report will accompany shipment). Supplier records shall provide for complete traceability of items throughout all inspection, shipping, repair/rework/replacement and subsequent submittal/re-submittal.

30) **Records**

All records of inspection and tests performed including disposition of nonconforming product shall be maintained on file by **CONTRACTOR** complete and available for review by STADCO, and/or Government during the period covered by this contract and until ten (10) years after completion of the requirements of said contract. Copies of such records shall be furnished to STADCO upon request.

31) **STADCO Approved or STADCO Customer Approved Vendors**

Only STADCO Approved or STADCO Customer Approved vendors are to be used for any outside processing (non-destructive testing, plating, welding, etc.) or procurement of materials and services for this Purchase Order. The supplier shall flow down to their sub-tier contractors all requirements and quality clauses to ensure purchase order requirements are maintained.

32) **Identification of Limited Shelf-Life Materials**

The **CONTRACTOR** shall identify each item, package or container of Limited Shelf-Life Material with the cure data, expiration date and special storage handling conditions, in addition to the normal identification requirements, such as name, part or code number, specification number, type size and quantity. This identification, including special handling conditions, shall be recorded on certifications and shipping documents. 75% of the shelf life shall remain upon delivery to Stadco

33) **Traceability of STADCO Supplied Material**

All parts and/or materials furnished by STADCO for processing shall be controlled by the **CONTRACTOR** to maintain the “as furnished” traceability identification, including serialization. Materials furnished by STADCO shall not be replaced or substituted with other material, regardless of specification, type or condition without prior written authorization from STADCO.

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34) **Traceability of Supplier's Material**

All parts and/or materials supplied shall be traceable to their point of origin (material, heat number, manufacturing lot number, etc.) and shall be specifically identified and documented to bear evidence of traceability.

35) **Inspection and Test Plan**

The **CONTRACTOR** shall prepare and maintain a fully described and identified Inspection and Test Plan including the process flow, showing the operational sequence, inspection and test points and process control points for the items to be manufactured. Two (2) reproducible copy of the plan shall be submitted to STADCO for written approval a minimum of two (2) weeks prior to contemplated start of manufacture.

36) **Process Procedure Approvals**

The **CONTRACTOR** is required to prepare and furnish a written process procedure for written approval by STADCO prior to proceeding. The procedure shall include, but not be limited to, such items as operational sequence, handling, equipment, controls, times, temperature, current, tools, calibration and Quality Assurance provisions. The procedure to be used in special processes such as heat treating, welding, non-destructive testing, etc, performed by the **CONTRACTOR** must have STADCO approval in writing prior to performing the process.

37) **Heat Treat**

The **CONTRACTOR** shall list the specification used (i.e. class, type, etc Authorized acceptance stamp or signature shall be affixed. When an order or the parts are identified as being serialized, each certification must refer to and identify the serial numbers involved.

38) **Welding**

CONTRACTOR shall maintain certified status of all welding personnel and welding facilities used in performance of this contract in accordance with the listed specification on the purchase order as currently amended. **CONTRACTOR** shall include the specification used and a statement that welding has been performed on items being supplied in accordance with applicable specifications. Authorized acceptance stamp or signature shall be affixed.

39) **Magnetic Particle Inspection**

CONTRACTOR shall maintain certified status of all magnetic particle inspection personnel used in performance of this contract in accordance with **Stadco purchase order specification(s)**, as currently amended, and processes in accordance with **Stadco specification(s)** as indicated on the Purchase Order and as currently amended. The **CONTRACTOR** shall include the specification used. When an order or the parts are identified as being serialized, each certification must refer to and identify the serial numbers involved.

40) **Liquid Penetrant Inspection**

CONTRACTOR shall maintain certified status of all liquid penetrant inspection personnel used in performance of this contract in accordance with Stadco specification , as currently amended, maintain all material used in liquid penetrant inspection in accordance with **Stadco specification(s)** as currently amended, and all processes used in liquid penetrant inspection in accordance with **Stadco / Customer specs**, as indicated on the Purchase Order and as currently amended, The **CONTRACTOR** shall include the specifications used including the acceptance. When an order or the parts are identified as being

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serialized, each certification must refer to and identify the serial numbers involved. The legible name, signature and NDT certification level of the Inspector performing the inspection shall be affixed to the certification.

- 41) **Ultrasonic Inspection**
CONTRACTOR shall maintain certified status of all ultrasonic inspection personnel used in performance of this contract in accordance with applicable Stadco specification, as currently amended, and all ultrasonic processes shall be in accordance with **Stadco issued specs**, as currently amended. When an order or the parts are identified as being serialized, each certification must refer to and identify the serial numbers involved. **CONTRACTOR** shall include the specification used.
- 42) **Radiographic Inspection (X-Ray)**
CONTRACTOR shall maintain certified status of all radiographic inspection personnel used in performance of this contract in accordance with specification **per Stadco purchase order** as currently amended, and all radiographic processes shall be in accordance with Stadco specification, as currently amended. When an order or the parts are identified as being serialized, each certification must refer to and identify the serial numbers involved.
- A) **CONTRACTOR** shall furnish x-ray film and x-ray reports with each shipment, stating the specification used.
 - B) In case of shipment of part or parts to a third party, x-ray film and x-ray reports shall be sent to STADCO at the time of shipment.
 - C) When part or parts are sent to another vendor for machining, re-identification, and subsequent delivery to STADCO, all applicable x-ray film and x-ray reports shall accompany the parts.
- 43) **Eddy Current Inspection**
CONTRACTOR shall maintain certified status of all Eddy Current inspection personnel used in performance of this contract in accordance with Stadco purchase order specification, as currently amended, and all Eddy Current processes shall be in accordance with an approved procedure. **CONTRACTOR** shall list the specification used (i.e. class, type, etc.), with the statement. When an order or the parts are identified as being serialized, each certification must refer to and identify the serial numbers involved.
- 44) **Serialization**
All units within a single basic part number, including spares and test units, shall be serialized by the seller. The serial numbers shall be assigned sequentially regardless of part number configuration (dash number), and shall contain no duplications. Units, reworked to a new configuration of the same basic part number, shall retain their original serial number. A lot or batch number shall be defined as parts and/or material produced by one manufacturer in one unchanged process in accordance with the same drawing and/or specification revision.
- Note:** Where stamping of individual parts is not practical due to nature of, size or shape, written identification instructions **MUST** be obtained by the **CONTRACTOR** from STADCO.
- 45) **Gear Data Charts**
Inspection report and Gear Data Charts required on all functional and critical dimensions and features.

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- 46) **Deleted.**
- 47) **Material Contamination Requirements (Mercury Free)**
Mercury or its compound shall not be used either as a material of construction, fabricating chemicals or tooling, except as may be specified on the drawing. Contamination by lower melting point elements or their compounds (i.e. lead, zinc, silver, etc.) is also prohibited. Control of detrimental materials shall be in accordance with paragraph 5 of **MIL-STD-767**.
- 48) **Customer Specification**
This Purchase Order requires material/processing to a customer specification called out on the face of this Purchase Order. This specification is imposed by STADCO's customer. Any deviation from the requirements of this specification must have prior written approval by STADCO and may require STADCO to request approval by our customer.
- 49) **Tool Proofing**
Acceptance of tooling shall be contingent upon inspection and interim written acceptance by STADCO of the applicable characteristics. Any rework of a tool after proofing shall again require subsequent re-proofing and STADCO written approval. The **CONTRACTOR** shall maintain process records for molded parts which shall include mold release agents used, temperature, pressure and time cycle data for preheat, molding and cure, as applicable. This inspection shall be under the surveillance of the cognizant STADCO Quality Representative at the **CONTRACTOR's** facilities. In this case, the **CONTRACTOR** shall furnish with the first shipment two (2) reproducible copy of a tool proofing certification, listing the tool number affected, and inspection variable data signed by the STADCO Quality Representative. If directed by the Buyer, the items will be shipped to STADCO for inspection, in which case dimensional samples must be identified with tool number, tool serial number, and when applicable, individual cavity number.
- 50) **UTAS (Goodrich) Material, Process, Etc.**
All items furnished on this Purchase Order shall be certified to the applicable revision of the specification listed. Only UTAS (Goodrich) approved vendors are to be used for any outside processing (non-destructive testing, plating, painting, welding, etc.) on material produced for this Purchase Order. Call STADCO Quality Engineering at (323)227-8888 for names of ROHR approved vendors.

The following statement shall be included on the certification:

UTAS (Goodrich) is the end item user of the processes,
Services and/ or supplies furnished on this Purchase Order.

- 51) **Sikorsky Aircraft Material**
All items furnished on this Purchase Order shall be certified to the applicable revision of the specifications listed. No design changes are allowed without SIKORSKY concurrent.
The following statement shall be included on the certification.

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The items on this Purchase Order are to be supplied to Sikorsky Aircraft.

52) **Sikorsky Aircraft Processes**

All items, processes and/or tests furnished on this Purchase Order shall be Certified to the applicable revision of the Specification listed. No design changes are allowed without SIKORSKY concurrent. Only SIKORSKY approved vendors are to be used for any outside processing (non-destructive testing, plating, painting, welding, etc.) on material produced for this Purchase Order. Call STADCO Quality Engineering at (323)227-8888 for names of SIKORSKY approved vendors.

The following statement shall be included on the certification:

The processes and/ or tests performed under this are on parts to be supplied to Sikorsky Aircraft and/ or testing has been performed at the location indicated in the Sikorsky approval, and when applicable, by the certified personnel approved by Sikorsky Aircraft.

53) **Certification and Testing of MS, NAS, and Other Specification Hardware**

Each shipment shall be accompanied by one (1) signed reproducible copy of certifications covering all hardware, parts and/or materials supplied on this Purchase Order. They shall be traceable from their point of origin to STADCO, including specific certification for:

1. Material: Mill Certifications, including Physical and Chemical Testing. Reference Q.E. Requirement No. 10, 11, 12, and 13 above.
2. Heat Treat: Reference Q.E. Requirement No. 37, above.
3. Physical Testing after Heat Treat, as required. Reference Q.E. Requirement No. 13 above.
4. Processing. Reference Q.E. Requirement No. 10, above.
5. Manufacturers Certificate of Conformance, including F.S.C.M. No. and Trade Mark. Reference Q.E. Requirement No. 09, above.
6. Distributors Certificate of Conformance. Reference Q.E. Requirement No. 8, above.

All certifications must have complete traceability, by lot number or similar method, through all stages of manufacture. They shall also be specifically identified and documented to bear evidence of successful completion of all required testing, with actual results, in compliance with the applicable procurement standards.

54) **Fraud or Falsification**

Activities hereunder are within the jurisdiction of Department of Energy and/or the Department of the Navy/Defense and/or Government Agencies. Any knowing and willful act to falsify, conceal, or alter a material fact, or any false, fraudulent or fictitious statement or representation in connection with the performance of work statement or representation in connection with the performance of work may be punishable in accordance with applicable Federal Statutes. The **CONTRACTOR** agrees that all employees engaged in the performance shall be, if they have not been previously informed in writing prior to their commencing performance of work that there is a risk of Federal criminal penalties associated with any falsification, concealment or misrepresentation in connection with the performance of this work. The **CONTRACTOR** further agrees that a signed statement shall be, if it has not been previously obtained

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from said employees prior to their commencing performance of work that they have been so informed. Such statements shall be retained by the **CONTRACTOR** for at least one (1) years after final payment. The **CONTRACTOR** is to include the following statement on each manufacturing, inspection or test record used.

NOTE: The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes including Federal Law, Title 18, Chapter 47.

55) **Rated Order**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15CFR 350).

56) **Resubmission of Nonconforming Articles or Materials**

Nonconforming articles or material returned by STADCO and subsequently resubmitted by the **CONTRACTOR** shall bear identification of such nonconformances, either on the articles, materials or applicable supplier records. Reference shall be made to STADCO's nonconforming document. Evidence must be provided by the **CONTRACTOR** that the cause for the nonconformance has been corrected and actions taken to prevent recurrence.

57) **Calibration Certifications**

Each shipment shall be accompanied by one (1) signed reproducible copy of a certification for the calibrations performed. The certification **must** contain a statement of compliance to Stadco purchase order specification and to one of the following: MIL-STD-45662, ANSI Z 540-1, ISO10012-1. Certification shall include measurement equipment used and traceability to NIST. Certificates must be received within one week of the calibration date.

Individuals performing calibration shall be compliant with the following minimum near vision requirements Snellen 14/18 (20/30, or Jaeger 2

58) **Control of Government Property**

The supplier will maintain and administer a system in accordance with sound industrial practice and, if it is Government Property, in accordance with Part 45 of the Federal Acquisition Regulation (FAR) is hereby incorporated by reference, to Control, protect, preserve, and maintain all GOVERNMENT property in it's possession.

59) **Lockheed Martin Aeronautics Company Appendix QJ**

Work to be accomplished in performance of this purchase order is directly related to a Lockheed Martin Aeronautics Company purchase order and must be accomplished in accordance with process specification on this purchase order and Lockheed Martin Aeronautics Company Appendix QJ. All requirements of Appendix QR paragraph 12.a-e shall be accomplished. Appendix QR is located at <http://www.lockheedmartin.com/material-management/>

60) **Lockheed Martin Aeronautics Company Appendix QJ J 3.0**

Seller shall evaluate each nonconformance for its potential to exist in previously produced or delivered items. If a nonconformance exists, Seller shall notify buyer, in writing, within 24hrs for issues concerning flight safety, and, in writing, within 5 working days for all other issues.

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- 61) **Lockheed Martin Aeronautics Company Appendix QJ M 2.0**
Seller shall immediately notify requiring customers in writing, within 48 hours of significant changes (such as Nadcap accreditation and/or NDT Level II or III personnel and all other personnel changes within five (5) normal work days), non-compliance, or disapproval by any government agency to the quality system or any supplier's quality system. Including sale, relocation or transfer of manufacturing operations; or organizational change (change in Owner, President, Quality Vice-President, Director and/or Manager).
- 62) **TERMS AND CONDITIONS**
CONTRACTOR shall comply with the entire agreement listed on purchase order under the "Terms and Conditions" requirements. For further information see Stadco website (link) www.stadco.com
- 63) **Right of Entry**
Stadco and Stadco Customer Representatives including all statutory and regulatory authorities reserve the right to conduct on site Supplier / Subcontractor visits and surveys. The supplier shall include provisions to allow STADCO and/or its customers/Regulatory bodies to determine and verify the quality of work at any place including all records and documented information at the plant of any supplier and at a production stages of material and processes intended for incorporation into this order.
- 64) Deleted
- 65) Deleted
- 66) **ITAR Flow Down Requirements**
Information furnished contains technical data as defined in the International Traffic in Arms Regulations ("ITAR") at 22 CFR 120.10. You are advised and hereby acknowledge that such technical data may not be exported, disclosed or transferred to any foreign person, as defined in the ITAR at 22 CFR 120.16, without first complying with all the requirements of the ITAR (22 CFR 120-130) including requirements for obtaining any required export authority.
- 67) **Counterfeit Parts Protection (CPP) - Sikorsky**
Sikorsky requires STADCO to flow down this requirement that a CPP Program be established and the supplier Be compliant to the requirements of AS6174.
- 68) **Counterfeit Parts Protection (CPP)**
Seller shall establish and maintain a Counterfeit Parts Protection Program in accordance with AS5553
- 69 (A) **Electronic Component Traceability**
Electronic Components Purchased through Authorized Distributors must be traceable to the Original Component Manufacturer (OCM) and must include a statement on the Certification of Compliance that They are an Authorized Distributor of the Manufacturer.
- 69 (B) **OEM Component Traceability**
MS/NAS/AN Hardware which is Purchased through Authorized Distributors must be traceable to the Original Equipment Manufacturer (OEM) and must include a statement on the Certificate of Conformance That they are an Authorized Distributor of the Manufacturer.

STADCO
QUALITY CONTROL CONTRACT CLAUSES
(Applicable when called out on the Purchase Order/Contract)

Those items called out on the purchase order identify the requirements herein described, which supplement, or are in addition to any specified on the applicable drawings, specifications, and/or on subject R.F.Q. or P.O. as either case may be.

70) **Packaging and Handling**

All product delivered under this Purchase Order shall be packaged and handled in manner to eliminate Damage during transit to STADCO.

SPECIAL CONTRACT PROVISIONS:

A Prohibited Materials

The use of tin, zinc, and cadmium is prohibited as specified in the following subparagraphs. Any Exceptions to these prohibitions shall be approved in advance in writing by Buyer.

- a. Tin. The use of pure unalloyed tin is prohibited as a surface finish for space hardware, including the surface finish on components or parts used inside a hermetic cavity or encapsulated within an assembly. (For example, termination on chip capacitors in hybrids shall not consist of pure tin: The potted portion of leads on devices that are encapsulated shall not be plated with pure tin.) Solder-dipped tin alloy finishes shall contain at least three percent lead or at least three and a half percent silver. All other tin and tin alloy finishes shall contain at least three percent lead or at least three and a half percent silver. All other Tin and tin alloy finishes shall contain at least three percent lead.
- b. Zinc. The use of pure zinc is prohibited as a surface finish for space hardware. Un-plated brass (an alloy containing copper and zinc as the main constituents) containing greater than 21 percent zinc is prohibited. Brass with greater than 21 percent zinc is acceptable if the brass is over plated with a minimum of 50 microinches of nickel, or 100 microinches of either copper or gold. Un-plated alloys Other than brass that contain greater than 10 percent zinc are prohibited. Un-plated alloys other than brass that contain greater than 10 percent zinc are acceptable if they are over-plated with a minimum of 50 microinches of nickel, or 100 microinches of either copper or gold. Zinc or alloys containing zinc that are sealed within hermetic cavity are acceptable.
- c. Cadmium. The use of pure cadmium is prohibited as a surface finish for space hardware. Un-plated alloys containing greater than five percent cadmium are prohibited. Alloys containing greater than five percent cadmium are acceptable if they are over-plated with a minimum of 50 microinches of nickel, or 100 microinches of either copper or gold. Cadmium or alloys containing cadmium that are sealed within a hermetic cavity are acceptable.

B Material Substitution Prohibition

Unauthorized Material Substitution

Unauthorized material substitutions are not permitted on Buyer's Goods. Unauthorized material substitution includes any deviation from the engineering definition of a raw material. Engineering definition includes Buyer Design, Drawing and applicable specifications, product specifications, form, size, shape, chemistry, melt method, origin, temper/condition, product testing or surface finish. Alternate materials specified in the engineering definition (and often described as approved material substitutions therein) do not constitute unauthorized material substitution. Terms and definitions for metallic materials and processing used herein are clarified in ARP1917.

STADCO

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Contact Buyer's Authorized Representative for details regarding deviations to authorized materials. Supplier agrees and understands that such deviations only apply to this Purchase Order, and only as indicated in the Buyer's authorized document.

C Preference for Domestic Specialty Metals

All STADCO Sub-Contractors/Suppliers shall include flow down to all their suppliers of specialty metals Defined by DFARS 252-225-7014 ALT 1 included in this Quality Clause definition. As used in this clause "Qualifying Country" means any country listed in subsection 225.872-1 of the Defense Federal Acquisition Regulation Supplement.

"Specialty Metals" means steel with a maximum alloy content exceeding one or more of the following limits: Manganese 1.65 percent, Silicon 0.60 percent, or copper 0.60 percent, or containing more than 0.25 percent of any of the following elements which include, Aluminum, Chromium, Cobalt, Columbium, Molybdenum, Nickel, Titanium, Tungsten or Vanadium. Metal Alloys consisting of Nickel, Iron-Nickel and Cobalt base Alloys containing a total of other alloying metals (except iron) in excess of 10 percent; Titanium or Zirconium base alloys. Any Specialty Metals incorporated in articles delivered under this Purchase Order Shall be melted in the United States or its outlying areas.

This clause does not apply to Specialty Metals melted in a Qualifying Country or incorporated in an article Manufactured in a Qualifying Country. The Supplier shall insert the text of this clause in all subcontracts For Items containing Specialty Metals.

D Foreign Object Damage/Elimination

The Supplier shall develop and maintain a Foreign Object Damage/Elimination Prevention Program to Reduce FOD. The Supplier's Program shall utilize effective FOD Prevention practices proportional to To the sensitivity of the product being manufactured. The Suppliers FOD Program is subject to review Approval by STADCO.

Control No: WI QE 11.88		Original Release Date: 8/26/99	
Title: Quality Control Contract Clauses			
Document Owner: Quality Manager/Director		AS9100 Element: 8.2.2	
Revision Letter	Description of Change	Date	Approved By
N/C	Original Issue	8/29/99	J.C.
A	Additional Clauses per Lockheed Martin Aeronautics Company Appendix QJ.	9/1/98	G.O.
B	Revised Clauses: item 60 S/B J 3.0 & item 61 S/B M 2.0. Item 61 added statement: (such as Nadcap accreditation and/or NDT Level II or III personnel and all other personnel changes within five (5) normal work days). Revised Clause 31 and added additional Clause 62 "Terms and Conditions".	03/20/06	R.S.

QUALITY CONTROL CONTRACT CLAUSES (Applicable when called out on the Purchase Order/Contract)

Those items called out on the purchase order identify the requirements herein described, which supplement, or are in addition to any specified on the applicable drawings, specifications, and/or on subject R.F.Q. or P.O. as either case may be.

C	Revised Q1 from Control of Quality to Quality System, Revised Q1a from ISO 9000 to ISO 9001 2008, Added Q1b AS9100 Rev C, Revised Q30 from 8 years to 10 years, Added Q63 Right of Entry, Added Q64 100% Inspection – Statistical Process Control	1/28/2013	BA
D	Revised Clause 8 to Certificate of Compliance Added Quality Clause Q65 AS 9100 Rev C Flow Down Requirements	1/31/13	BA
E	Added Clause 66 ITAR Flow down Deleted old and out of date clauses.	7/13/17	JM
F	Changed to be in line with AS9100D	4/20/18	SM
G	Updated Clause 1b, 30 & 63 to comply with AS9100D Section 8.4. 3	2/16/22	RT
H	Added QA Clauses 1(c) and 68 & 69 to address Counterfeit Materials Program Requirements	12/23/22	RT
I	Added QA Clause 70 (Packaging & Handling) Added Special Contract Clauses A (Prohibited Materials) Added Special Clause B (Substitution of Materials) Added Special Clause C (Specialty Metals) Added Special Clause D (Foreign Object Damage)	11/06/24	RT