

**THE LISI AEROSPACE COMPANY**  
- US OPERATIONS -

QA ATTACHMENT DOCUMENT

Document Number  
**FORMQA096**

Revision  
**2**

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## Supplier PO Quality Requirements

- Q01 SUPPLIER PO QUALITY REQUIREMENTS:** THIS FORM (FORMQA096) OUTLINES THE GENERAL LISI AEROSPACE SUPPLIER PO QUALITY REQUIREMENTS. THIS FORM ACTS AS A SUPPLEMENT TO THE SUPPLIER QUALITY MANUAL ("SQM") AND TAKES PRECEDENCE OVER THE SQM IN CASE OF CONFLICT. THE SQM CAN BE FOUND ON LISI AEROSPACE WEBSITE UNDER THE "TERMS AND CONDITIONS" LINK AT: <https://www.lisi-aerospace.com/en/mentions-legales/>.
- Q02 SPECIAL PROCESS SUPPLIERS:** SPECIAL PROCESS SUPPLIERS (CHEMICAL PROCESSING, HEAT TREAT, NDT, ETC...) SHALL BE NADCAP CERTIFIED AND CAPABLE OF DEMONSTRATING THE ABILITY TO MEET LISI AEROSPACE REQUIREMENTS FOR SPECIAL PROCESSES. EXCEPTION: SUPPLIERS WITHOUT NADCAP CERTIFICATION MUST HAVE AN EQUIVALENT QUALITY SYSTEM PRE-APPROVED BY LISI AEROSPACE. REQUIREMENTS SHALL INCLUDE, BUT ARE NOT LIMITED TO, KEY PARAMETERS, CONTROL PLANS (FROZEN PLANNING) AND PROCESS CONTROLS REQUIREMENTS SPECIFIED IN PROCESS SPECIFICATIONS REFERENCED ON THE PURCHASE ORDER. SUPPLIERS SHALL NOTIFY LISI AEROSPACE IMMEDIATELY OF ANY LOSS OR SUSPENSION OF THE NADCAP CERTIFICATION.
- Q03 TRACEABILITY:** MANUFACTURING LOT INTEGRITY CONTROL MUST BE MAINTAINED THROUGH-OUT THE MANUFACTURING AND/OR HEAT TREATMENT, CHEMICAL AND/OR COATING PROCESSING CYCLE. A MANUFACTURING LOT IS A PRODUCTION LOT WHERE A QUANTITY OF PRODUCTS OF IDENTICAL CONFIGURATION AND DIMENSIONS, FABRICATED FROM THE SAME HEAT MELT OF MATERIAL, IS PRODUCED, PROCESSED AND FINISHED AS ONE CONTINUOUS RUN, ORDER OR PART THEREOF AND PRESENTED FOR INSPECTION AT THE SAME TIME. ACCURATE RECORDS OF EACH STEP IN THE PROCESS FOR EACH BATCH SHALL BE ESTABLISHED AND MAINTAINED. RECORDS MUST HAVE THE ABILITY TO TRACE BACK TO EQUIPMENT, PERSONNEL AND DATES AND TIMES OF PROCESSES CARRIED OUT. IN ADDITION TO THE RAW MATERIAL CERTIFICATION, THE SUPPLIER SHALL PROVIDE, AS APPLICABLE, TRACEABILITY OF ALL PARTIES BACK TO THE MELT SOURCE.
- Q04 SAMPLING PLAN:** UNLESS OTHERWISE STATED, SAMPLING PLANS SPECIFIED IN INDUSTRY/PROCESSING SPECIFICATIONS WILL TAKE PRECEDENCE AND SHALL BE UTILIZED. OTHERWISE, THE SUPPLIER'S SAMPLING PLAN MUST BE APPROVED BY LISI AEROSPACE AND/OR MEET THE REQUIREMENTS OF ANSI/ASQ Z1.4 (CURRENT REVISION) USING ZERO DEFECT ACCEPTANCE CRITERIA (C=0) AND DEMONSTRATE THAT PARTS MEET ALL DRAWING, SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS.
- Q05 SHIPPING TOLERANCE:** PARTS SHALL BE COUNTED (OR WEIGH COUNTED) UPON RECEIPT AND RECORDED ON SUPPLIER'S RECEIVING DOCUMENTATION. DISCREPANCIES NOTED UPON RECEIPT MUST BE RESOLVED PRIOR TO STARTING THE JOB. PART COUNT IS REQUIRED PRIOR TO SHIPMENT AND RECORDED ON THE SHIPPING AND CERTIFICATION DOCUMENTS. LISI AEROSPACE'S TOLERANCES FOR PART COUNTS ARE + 2% AND -5% OF THE LOT QUANTITY. TOLERANCE LISTED IS NOT APPLICABLE TO RAW MATERIAL SUPPLIERS. PART COUNTS EXCEEDING THE SPECIFIED TOLERANCE RANGE REQUIRE A DOCUMENTED INVESTIGATION AND/OR NOTIFICATION OF PART COUNT DISCREPANCIES PRIOR TO SHIPMENT.
- Q06 REWORK:** THE SUPPLIER MUST NOTIFY LISI AEROSPACE IN WRITING AND RECEIVE DOCUMENTED APPROVAL FROM AN AUTHORIZED REPRESENTATIVE OF ONE OF THE FOLLOWING: LISI AEROSPACE'S ENGINEERING OR QUALITY ASSURANCE PRIOR TO COMMENCING WITH THE REWORK. RE-HEAT TREATING SHALL REQUIRE LISI AEROSPACE NOTIFICATION AND WRITTEN APPROVAL PRIOR TO REWORK. REWORK FOR PLATING AND COATING SURFACE TREATMENTS THAT INCLUDES STRIPPING OR ACID CLEANING SHALL REQUIRE LISI AEROSPACE NOTIFICATION AND WRITTEN APPROVAL PRIOR TO REWORK.
- Q07 ESCAPEMENT:** ANY ESCAPEMENT OR NON-CONFORMANCE DETECTED BY THE SUPPLIER DURING PROCESSING, INSPECTION, OR FOR ANY PREVIOUSLY DELIVERED LISI AEROSPACE PRODUCT SHALL IMMEDIATELY BE REPORTED IN WRITING TO LISI AEROSPACE PURCHASING OR QUALITY ASSURANCE.
- Q08 WORKMANSHIP:** ANY DEFECTS THAT WILL AFFECT FIT, FORM, FUNCTION OR ARE IN EXCESS OF THOSE ALLOWED BY THE PRODUCT STANDARD, REFERENCED SPECIFICATIONS OR LISI AEROSPACE SPECIAL PROCESS SPECIFICATIONS SHALL BE CAUSE FOR REJECTION OF THE SPECIFIC DELIVERY.
- Q09 SHELF LIFE AND TEMPERATURE SENSITIVE MATERIALS:** SUPPLIER WILL IDENTIFY ALL MATERIALS WHICH HAVE LIMITED SHELF LIFE AND IS TEMPERATURE SENSITIVE. SUPPLIER SHALL DIRECTLY AFFIX THE USEFUL LIFE INFORMATION (DATE OF MANUFACTURE AND DATE OF EXPIRATION) ON THE MATERIAL CONTAINER AND CERTIFICATION. WHEN ENVIRONMENT IS A FACTOR, THE IDENTIFICATION WILL INCLUDE THE STORAGE CONDITION (I.E. TEMPERATURE, HUMIDITY, ETC.) REQUIRED. UNLESS OTHERWISE DIRECTED BY THE PURCHASE ORDER, A MINIMUM OF 80% OF THE APPLICABLE MATERIAL/ARTICLE SHELF LIFE WILL REMAIN UPON RECEIPT BY LISI AEROSPACE.
- Q10 ACCEPTANCE AUTHORITY MEDIA (AAM):** SUPPLIER SHALL COMPLY WITH THE AS/EN/JISQ 9100 REQUIREMENTS AND 14 CFR PART 21.2 REGARDING THE APPLICATION OF THE ACCEPTANCE AUTHORITY MEDIA REQUIREMENTS (AAM). THE SUPPLIER SHALL ENSURE THAT THE USE OF AAM IS CLEARLY DEFINED WITHIN ITS QUALITY MANAGEMENT SYSTEM (QMS). USE OF AAM MUST BE CONSIDERED AS A PERSONAL WARRANTY OF COMPLIANCE AND CONFORMITY. THE SUPPLIER SHALL MAINTAIN COMPLIANCE TO THE AAM REQUIREMENTS BY ASSESSING ITS PROCESS AS PART OF ITS INTERNAL AUDIT ACTIVITIES. THE AREAS OF FOCUS OF THIS ASSESSMENT SHALL INCLUDE BUT NOT LIMITED TO:
- A. ERRORS (I.E. OMMISIONS, TYPOS, LEGIBILITY, ETC.)
  - B. UNTIMELY USE (I.E. DOCUMENTATION IS NOT COMPLETED AS PLANNED, "STAMP/SIGN AS YOU GO", ETC.)
  - C. MISREPRESENTATION (I.E. UNCERTIFIED PERSONNEL, FALSIFICATION OF DOCUMENTATION, WORK NOT PERFORMED AS PLANNED, ETC.)
  - D. TRAINING DEFICIENCIES (I.E. ETHICS, CULTURE AWARENESS, PROPER USE OF AUTHORITY MEDIA, ETC.)
  - E. SUITABLE CONTROLS OF AUTHORITY MEDIA (STAMPS, SIGNITURES, AND INITIALS) TO ENSURE TRACEABILITY TO PERSONNEL PERFORMING THE WORK AS INDICATED ON SHOP TRAVELLERS, WORK ORDERS, AND RECORDS.
- Q11 RAW MATERIAL CONTROL:**
- A. **SOURCE:** ALL RAW MATERIALS SHALL BE FROM A SOURCE APPROVED BY LISI AEROSPACE. LISI PURCHASING SHALL BE NOTIFIED FOR AUTHORIZATION PRIOR TO PROCESSING OF MATERIAL PURCHASED FROM A SUPPLIER NOT APPROVED BY LISI AEROSPACE.
  - B. **COIL/BAR:** SUPPLIER IS PROHIBITED FROM WELDING, BRAZING OR OTHERWISE JOINING COILS UNLESS A LISI APPROVED DOCUMENTED PROCEDURE IS FOLLOWED WHICH REMOVES THE WELDED, BRAZED OR OTHERWISE JOINED SECTION PRIOR TO SHIPMENT. COILS SHALL BE PACKAGED / WRAPPED WITH ONE END OF EACH COIL ACCESSIBLE FOR INSPECTION. THE COIL END SHALL NOT HAVE ANY SHARP EDGES EXPOSED AND SHALL BE SUITIBLY COVERED OR SAFEGUARDED TO ENSURE SAFE HANDLING.
  - C. **COMPONENT SUPPLIERS:**
    - i. **OVER-RUNS:** SUPPLIER SHALL NOTIFY LISI AEROSPACE OF ANY OVER-RUN QUANTITIES FROM LISI AEROSPACE SUPPLIED MATERIAL. SUPPLIERS SHALL RETURN ALL UNUSED MATERIAL, GAGES, TOOLING AND EQUIPMENT AFTER WORK HAS BEEN COMPLETED.
    - ii. **ALLOY VERIFICATION:** APPLICABLE TO A SUPPLIER THAT PURCHASES ITS OWN MATERIAL. VERIFICATION IS REQUIRED WHEN SPECIFIED ON THE PURCHASE ORDER OR CONTROL PLAN.

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**Q12 GOVERNMENT CONTRACTS (DFAR/FAR):** SUPPLIER SHALL COMPLY WITH THE DFAR AND FAR REQUIREMENTS FLOWED BELOW, AS APPLICABLE, WHEN A GOVERNMENT CONTRACT IS FLOWED DOWN ON THE PURCHASE ORDER. DETAILED DFAR AND FAR REQUIREMENTS CAN BE FOUND ON <https://www.acquisition.gov/> AND <https://www.acq.osd.mil/dpap/dars/dfarspgi/current/index.html>

- A. FAR 52.211-5 MATERIAL REQUIREMENTS:** UNLESS OTHERWISE SPECIFIED ON THE PURCHASE ORDER, SUPPLIER SHALL USE "NEW" MATERIAL FOR PRODUCT FABRICATION AND ANY REWORKS SHALL BE COMMUNICATED IN WRITING TO LISI AEROSPACE WITH A DETAILED DESCRIPTION. REWORK INCLUDES "RECONDITIONED" OR "REMANUFACTURED" RAW MATERIAL OR PARTS, AS DEFINED WITHIN THE FAR CLAUSE.
- B. FAR 52.246-2 INSPECTION OF SUPPLIES – FIXED PRICE (AND ALTERNATE I):** THE GOVERNMENT HAS THE RIGHT TO INSPECT AND TEST ALL SUPPLIES CALLED FOR BY THE CONTRACT AND THE SUPPLIER SHALL FURNISH ALL REASONABLE FACILITIES AND ASSISTANCE FOR THE SAFE AND CONVENIENT PERFORMANCE OF THESE DUTIES.
- C. FAR 52.246-4 INSPECTION OF SERVICES – FIXED PRICE:** THE GOVERNMENT HAS THE RIGHT TO INSPECT AND TEST ALL SERVICES CALLED FOR BY THE CONTRACT AND THE SUPPLIER SHALL FURNISH ALL REASONABLE FACILITIES AND ASSISTANCE FOR THE SAFE AND CONVENIENT PERFORMANCE OF THESE DUTIES.
- D. FAR 52.246-8 INSPECTION OF RESEARCH AND DEVELOPMENT – COST REIMBURSEMENT:** THE GOVERNMENT HAS THE RIGHT TO INSPECT AND TEST ALL WORK CALLED FOR BY THE CONTRACT AND THE SUPPLIER SHALL FURNISH ALL REASONABLE FACILITIES AND ASSISTANCE FOR THE SAFE AND CONVENIENT PERFORMANCE OF THESE DUTIES.
- E. DFAR 252.228-7005 ACCIDENT REPORTING AND INVESTIGATION INVOLVING AIRCRAFT, MISSILES AND SPACE LAUNCH VEHICLES:** SUPPLIER SHALL COOPERATE AND ASSIST GOVERNMENT PERSONNEL IN ACCIDENT INVESTIGATIONS UNTIL THE INVESTIGATION IS COMPLETE.
- F. DFAR 252.246-7003 NOTIFICATION OF POTENTIAL SAFETY ISSUES:** FOR ITEMS IDENTIFIED AS CRITICAL SAFETY PARTS, THE SUPPLIER SHALL NOTIFY LISI AEROSPACE IN WRITING NO LATER THAN 72 HOURS AFTER DISCOVERY OF NONCONFORMANCE AND PROVIDE WRITTEN NOTIFICATION WITHIN FIVE (5) BUSINESS DAYS. NOTIFICATION SHALL INCLUDE ALL DETAILS SPECIFIED IN DFAR 252.246-7003 (C)(1) AND (2) AND (F)(1) AND (2).

**Q13 ADVANCED PRODUCT QUALITY PLANNING (APQP) AND PRODUCTION PART APPROVAL PROCESS (PPAP):** WHEN REQUIRED ON THE PURCHASE ORDER, SUPPLIER SHALL COMPLY WITH REQUIREMENTS OF AS9145 AS APPLICABLE.