# Quality Program Provisions

To prevent the unintended use of obsolete documented information, this document should not be used unless the user has verified this document is current. Current documents are available on the QMS SharePoint database.

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<th>DRAFT</th>
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<tbody>
<tr>
<td>Director of Supply Chain</td>
<td>Maxwell Monese</td>
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<tr>
<td>Supplier Quality Engineer</td>
<td>S. Baza</td>
</tr>
<tr>
<td>Supplier Development Manager</td>
<td>Brian Azevedo</td>
</tr>
<tr>
<td>Manager, QS</td>
<td>Praveen Krottapalli</td>
</tr>
<tr>
<td>Manager, Procurement</td>
<td>Adam Fleisher</td>
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**DOCUMENT TITLE:** QUALITY PROGRAM PROVISIONS

**DOC NO.** 512-0031-000-000  **REV.** AJ

**Release Date:** 09/24/2019  **SHEET 1 OF 21**
## DOCUMENT CHANGE HISTORY

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1. PURPOSE
A supplement to our drawings and specifications for the purpose of flowing down to our suppliers, sub tier suppliers, special processors, and other services our customer and Leach requirements that may not be contained in these documents. However, they are required by Leach and our customers via. Leach International internal contracts review and flowed down process, internal (QAD’s) Quality Assurance Directives to become a part of our Purchase Order requirements.

2. APPLICABILITY
This procedure applies to all employees located at Leach International Corporation Buena Park, California and Leach International Mexico S de RL de CV at Tijuana, Mexico.

3. SCOPE
This document applies to all incoming purchase Parts, Material, Sub-assemblies, and Assemblies received at Leach International for incorporation in deliverable product.

4. RECORD RETENTION
Records established to provide evidence of conformity to requirements and of the effective operation of the quality management system shall be controlled in accordance to QAP 2.3 Data Retention/Data Control.

5. REFERENCE DOCUMENTS

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<td>400-0111-001-000</td>
<td>Packaging, Storage, Transportation, and Handling of Relay Parts and Sub-Assemblies</td>
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<td>Quality Management System Manual</td>
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Leach International Corporation
Leach International Mexico S de RL de CV

QUALITY PROGRAM PROVISIONS

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6. DEFINITIONS

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<tr>
<td>Red Flags</td>
<td>Any unusual circumstances that indicate a party to transaction is prohibited end-user or Defense Technology / Defense Articles are destined to a prohibited end-use location. Special care should be taken to prevent transactions with entities involved in proliferation of weapons of mass destruction.</td>
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7. ROLES & RESPONSIBILITIES

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<tr>
<td>Leach International Employees</td>
<td>Maintain full compliance with all applicable laws and regulations that protect and support the national security, foreign policy, and commerce of the United States and other countries in which Leach International operates.</td>
</tr>
<tr>
<td>Leach Buyers</td>
<td>Reviews drawings and specification requirements for each PO line item to insure appropriate drawings, specifications, special conditions, sub level drawings are available to the supplier reflecting the latest revision level.</td>
</tr>
<tr>
<td>Leach Contracts Administration, Customer Sales Representatives, Quality Assurance, EH&amp;S, Export Compliance, Program Office</td>
<td>Insures proper flow down to supply chain management latest Terms &amp; Conditions by classification, and maintain the Leach Website where Terms and Conditions by classification are located and accessed by our external providers. Works in concert with other disciplines to insure Customer Contract Requirements are properly flowed down within Leach and ultimately its suppliers.</td>
</tr>
<tr>
<td>Leach Engineering</td>
<td>Insure requirements and specifications are properly flowed down from our customers are reflected in associated product,</td>
</tr>
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</table>
part, material specification, process specification, test procedure, Vendor Item Control Drawing, Source Control Drawing, etc.

- Reviews requests for use of Brokers for sourcing difficult to locate electrical components, or having unusually protracted lead times, or in cases of part obsolescence for acceptability prior to PO placement.

| Supplier Quality Engineering | • Perform parodic reviews of Purchase Orders in accordance with a standard check list to insure accuracy and completeness.
|                            | • Responds to LEACH (QAD’s) Quality Assurance Directives where specific QPP’s are required to be added to PO’s via a specific PO fields.
|                            | • Reviews new item introductions into the Leach ERP system when to insure there are no gaps in QPP flow down via ERP system Item Master/Parts Master File or Bill of Material (BOM).
|                            | • Insures suppliers and sub tiers are correctly interpreting our drawings, specifications, Quality Program Provisions, FAR and DFARS, and that suppliers are properly flowing these requirements to sub tier suppliers, processors, etc.

| Leach Configuration Management | • Insures there’s proper document change process management to insure latest revision documentation is available to buyers, and ultimately to suppliers or external providers.

NOTE: Add rows as necessary

8. PROCEDURE. QUALITY PROGRAM PROVISIONS (SUPPLIER PURCHASE ORDERS)
The following (QPP) Quality Program Provisions with their terms and conditions become an integral part of each Purchase Order to the extent specified in the Purchase Order.

Important: Refer to QPP sections 1 through 19, below for requirements that are applicable to all Supplier Purchase Orders. Additional QPP’s are applicable when indicated on Purchase Order line items. A reference to these standard QPP’s and associated Leach procedure with revision level, and applicable QPP numbers can be found just below PO date, buyer ID, shipping method, F.O.B. point, and terms section.

Important: The procedure containing Quality Program Provisions for Supplier Purchase Orders can also be accessed via a hyperlink located within each Purchase Order. Also, the Purchase Order classification can be found right below this hyperlink, which allows the supplier to select the associated FAR and DFAR’s pertaining to the PO as illustrated below.
Suppliers are required to access the link embedded in all supplier Purchase Orders once the pertinent PO classification is identified, the one of the following Terms and Condition categories shall be selected and will apply. In the above example, this PO states USE T&C Commercial US Government Prime Contract classification. When no PO classification is indicated, such as MRO PO’s, the default Terms and Conditions will be Leach Purchasing Terms and Conditions Non-Government.

The Terms and Conditions Categories by PO Classification are as follows:

- a. Leach Purchasing Terms and Conditions Commercial US Government Prime Contract
- b. Leach Purchasing Terms and Conditions Commercial US Government Prime Contract with International Contractor
- c. Leach Purchasing Terms and Conditions Non-Commercial US Government Prime Contract
- d. Leach Purchasing Terms and Conditions Non-Commercial US Government Prime Contract with International Contractor
- e. Leach Purchasing Terms and Conditions Non-Government

8.1 REQUIREMENTS FOR ALL PURCHASE ORDERS

1. Applicability of Revised Documents
Where a specification is referred to herein, it shall be construed as being of the latest revision in effect as of the date of this purchase order or quotation.

2. Nonconforming Material
The Supplier is not authorized to perform material review action of nonconforming materials, with the intent of delivering such nonconforming materials without the express written authorization from Leach International. Disposition of any deviation from Leach International drawings, specifications, or other purchase order requirements must be approved by an authorized member of Leach International Quality Assurance Department prior to shipment from the supplier.

The Supplier shall promptly notify Leach International of any nonconformity that may affect already delivered products.
3. Resubmission of Rejected Material
All material rejected by Leach International and subsequently resubmitted to Leach International by the supplier shall bear adequate identification of such resubmission, either attached to the material or on the suppliers shipping document. Reference shall be made to the original Leach International rejection document and clear evidence submitted that the cause(s) for rejection have been corrected.

Government Source Inspected Material must be accompanied by evidence that the resubmission has also been accepted by Government Source Inspection.

4. Changes
Supplier shall notify Leach International in writing when any of the following changes occur:

a. Change in location of Supplier.
b. Change in Senior Management personnel.
c. Change in ownership of Supplier.
d. Change in Quality System status, e.g. Award/Removal of ISO 9001 registration.
e. Change in design, materials, processes or control of materials.

5. Right of Entry
All work performed shall be subject to inspection, surveillance and test by Leach International and/or Customer/Government representatives at any time, including the period of performance, and at all places including the plant or plants of the supplier or sub-tier suppliers engaged in the performance of work to fulfill this Leach International Purchase Order. Inspection by the Leach International Quality Representative and/or Customer/Government Representatives does not constitute final acceptance of parts and/or material.

Government / Customer inspection or release of product prior to shipment is not required unless you are otherwise notified. You shall provide a copy of this order to the Government / Customer representative on request.

6. Acceptable Quality System
The supplier must maintain a Quality System that meets the requirements of Leach International such as ISO9001, Quality Systems, Model for quality assurance in design, development, production, installation, and service, AS9100, Quality Systems, Aerospace, Model for Quality Assurance in Design, Development, Production, Installation, and Servicing.

The quality system requirements for each supplier shall be commensurate with the size of the business, the type of business and the complexity and criticality of the parts, materials or services provided.

a. Where a sampling inspection plan is utilized for the acceptance of parts for delivery to Leach International, the supplier must utilize a sampling plan which precludes the acceptance of defective parts (Commonly described as an ‘Accept on Zero’ sampling plan.)
b. The Supplier shall maintain an inspection system that is adequate to ensure that all parts and materials shipped on this purchase order meet all applicable requirements.

c. The quality system shall also provide for the maintenance of records and data of all inspections and tests performed for a period of at least ten years. These records shall be made available to Leach International for examination and verification, upon request.

d. The supplier shall respond to customer requests for corrective or containment action and apply at a minimum typical 8D format and principles. Responses to SCAR (Supplier Corrective Action Requests) shall be received within 30 days from date of issue, and requests for extensions must be received within 5 days of due date. Responses to CAN (Containment Action Requests) must be received within 7 days from date of issue, and requests for extension are permissible within 7 days from date of issue.

7. Traceability to Raw Material
All items fabricated under this purchase order shall be traceable to raw material used. All traceability and inspection records must be identifiable with raw material, parts, parts or assemblies to which they are applicable and shall be available upon request or audit by Leach International.

a. Raw material used shall be identifiable by lot number as well as material type, specification, heat number, etc., and shall be identifiable with lot or raw material used. When two (2) or more parts are joined in an assembly, the Supplier shall prepare an assembly parts list identifying each assembly and the lot of raw material from which it was fabricated.

b. Raw material fabricated by the Supplier in one lot shall be identifiable to that lot when supplied to Leach International. When the Supplier is combining materials fabricated in two or more different lots to fulfill purchase order requirements, these materials shall be segregated and identifiable to the lots from which they were fabricated.

c. The Supplier shall request, from the buyer whose signature appears on the purchase order, written authorization to submit materials in two (2) or more lots to fulfill the total quantity of each item on this purchase order.

8. Certificate of Conformity Requirements
One copy of all certifications required by drawings / specifications / Quality Program Provisions must accompany each shipment. Certificates of Conformity must clearly state that the supplied part, raw material or service meets all requirements of the referenced drawings, specifications and requirements. The Certificate of Conformity shall state that all specifications shall be held on file for a minimum period of ten years from date of shipment and shall be made available for review on request. Only written changes to the purchase order requirements are acceptable. These documents should contain the signature, stamp or approved ‘electronic’ authorization of the individual certifying the material for the supplier.

9. First Article Inspection (FAI) Requirement
A First Article Inspection Report compliant with the requirements of AS9102 must be submitted by the supplier for each item on this order where this is the first delivery of the item from this supplier. The First Article Report shall be required on all parts except: Standard
Catalog Hardware, Age Sensitive Material, Raw Materials and components with military specifications (MIL parts). Special Processes such as cleaning and painting are excluded from this FAI requirement.

10. Change of Product or Process
The supplier/manufacturer shall not implement any Class I changes that affect Leach International’s design, materials, processes, safety or control of the materials ordered without prior written approval of Leach International, Quality Assurance Department. The intent of this requirement is to ensure that all material supplied under this order will be homogeneous, and that the performance, reliability, and quality of the material is not degraded. Changed articles shall be clearly identified and in a different manner from previous articles.

a. The Supplier/Manufacturer shall submit a Supplier Deviation Request (form QAF-208) along with two copies of their Manufacturing Process Procedure/Plan, specifying the process change(s) in detail and the specific quantity impacted to the Leach International Buyer. This includes changes to a sub tier manufacturer or special processors associated with the product delivered to Leach International.

11. Packaging
Packaging in accordance with good commercial practice to the extent necessary to provide protection from hazards of contamination and physical damage encountered in general handling, shipping, and storage, or as specified on part drawing, or PO.

12. Use of Silicone Based Materials
The use of any Silicone based lubricant or potting compound during the manufacture or assembly of products to be delivered to Leach International is prohibited.

13. Off-Shore Assembly
The requirements of 512-0033-000-000, Product Assurance Requirements for Off-Shore Assembly, apply to this purchase order. Product shipped from approved Off-Shore Assembly facilities shall be shipped with copies of all work order travelers and pick lists, providing complete traceability back to the LINA provided materials used in the manufacture of those products.

14. Part and Component Finishes (non-electrical)
Mechanical Parts:
The Leach International Engineering drawing, Specification Control Drawing (SCD) or Vendor Item Control Drawing has precedence for defining the finish(s) for all machine parts, fabricated parts, fasteners, and purchased parts. Pure tin, cadmium or zinc may not be used unless specifically required by specification and configuration control drawing. In cases where pure tin finishes are not specified in our specification control drawing, the tin coating must contain a minimum of 3 percent lead.

Where the Leach International Source Control Drawing (SCD) or Vendor Item Control Drawing (VICD) contains no specific requirement regarding plating finish, Leach International requires that the finish shall not consist of pure tin, pure cadmium, or pure zinc. Where tin is selected...
the Tin-Lead plating must contain a minimum of 3% lead unless specifically identified as Lead free.

15. Detection and Prevention of Counterfeit Parts

a. Supplier’s Quality Management System: The Suppliers shall implement and maintain a counterfeit electronic parts management process to comply with “Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition,” in accordance with DFAR 252.246.7007 (C), DFARS 252.246-7008 SAE AS5553 and “Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel”, in accordance with SAE AS6174, SAE AS6081: Fraudulent/Counterfeit Electronic Parts: Avoidance, Determination, Mitigation, and Disposition – Distributors, AS6496: Fraudulent/Counterfeit Electronic Parts: Avoidance, Detection, Mitigation, and Disposition – Authorized/Franchised Distribution. The Supplier counterfeit parts management process shall be subject to evaluation by Leach International’ quality representatives throughout the period of contract. The Supplier shall also maintain complete records on file and make them available upon request.

The supplier shall maintain a method of item traceability that ensures tracking of the supply chain back to the manufacturer of all parts included in assemblies and subassemblies being delivered in accordance with the requirements stated above. This traceability method shall clearly identify the name and location of all of the supply chain intermediaries from the manufacturer to the direct source of the product for the seller and shall include the manufacturer’s batch identification for the item(s) such as date codes, lot codes, serializations, or other batch identifications.

b. Supplier’s survey: The suppliers shall make the selection on supplier’s survey as required for the supplier type such as OEM/OCM, franchised/in-dependent distributor and/or service providers due to the different requirements are imposed to different supplier type.

c. Supplier must notify Leach International buyer when there is a potential risk where the product may be reaching the end of the product lifecycle or product availability; to support the order quantity as requested.

d. Supplied parts: The Supplier shall verify the procurement source and associated certifying paperwork. Appropriate incoming inspection test methods shall be used to detect potential counterfeit electronic parts in accordance with the requirement of this section. The supplier shall flow this requirement down to all sub-tier suppliers to prevent the inadvertent use of counterfeit electronic parts. The Supplier shall be responsible for assuring that only new and authentic materials are used in products built for Leach International. Acquisition traceability from original manufacturer required in accordance with DFAR 252.246.7007(C), SAE AS5553 Aerospace Standard for Counterfeit Electronics Parts; Avoidance, Detection, Mitigation and Disposition, Appendix C - C.3.2 and SAE AS6174 Counterfeit Materiel; Assuring Acquisition of Authentic and Conforming Materiel, C.2.2.

e. Documentation: The Supplier shall ensure that all parts procured to fulfill Leach International’ purchase order requirements include a certificate of conformance from the original manufacturer.
Original Equipment Manufacturer or a Franchised and independent Distributor and acquisition traceability. A copy of this document must accompany shipment of parts to the end customer.

Certification of conformance contains at a minimum the manufacturer, distributors (applicable), distributor purchase order number, part number, quantity, and date code of each quantity supplied.

Acquisition traceability consists of the name and location of all supply chain intermediaries from the part manufacturer to the direct source of the product.

For procurement of product for military or US Government use, a manufacturer certification to a specified military or aerospace specification or standard is required. Additional information, as required by governing specifications, may also be required as specified on the purchase order.

f. In the event that the parts are not available from the OEM or Franchised Distributor within Leach International’s requested lead time, then the parts can be procured from Brokers or Suppliers (other than the Original Equipment Manufacturer or their Franchised Distributor) that have met the requirements of Leach International to be qualified for inclusion in our ASL (Approved Supplier List). In which case, Broker must also provide certification of compliance and acquisition traceability that warrants covered parts to be original (that is, not refurbished or reworked). These documents must be reviewed and approved by Supplier Quality Engineering before product can be released.

Whenever a broker, independent distributor, or sources that do not have authority of the OEM is used to procure a component (e.g. articles, components, standard hardware, goods, raw materials, and assemblies including electrical, electronic, and electromechanical) the customer service manager and the master production planner shall be notified by e-mail. The notification shall include the component being purchased, a copy of the quote and engineering’s formal approval to procure the component.

Engineering’s approval may be in the form of an e-mail or technical memorandum, and the Component or Product Engineer will determine if customer notification or approval is required prior to procuring product from such broker or independent distributor.

Any components that are purchased from such broker or independent distributor shall have a purchase history file that may be either hard copy or electronic. This file shall include the (a) RFQ, (b) suppliers quote, (c) supplier’s conformity documentation for the component, (d) all purchasing and engineering approvals, and (e) purchasing related documents.

The supplied documentation shall include objective evidence of traceability that enables tracking of the supply chain back to the original manufacturer, whether the electronic parts are supplied as discrete electronic parts or are contained in assemblies. This traceability
process shall include certification and traceability documentation developed by manufacturers in accordance with Government and industry standards; clear identification of the name and location of supply chain intermediaries from the manufacturer to the direct source of the product for the seller; and, where available, the manufacturer's batch identification for the electronic part(s), such as date codes, lot codes, or serial numbers.

These documents must be reviewed and approved by Supplier Quality Engineering or Product Quality Engineering before product can be released.

16. Calibration
The following requirements are applicable to supplier(s) responsible for calibration;

**Adequacy of the calibration system**
The seller shall maintain a system which evaluates the adequacy of their calibration system based on out-of-tolerance data as a result of calibrating the measuring and test equipment. The system shall include, but not be limited to, adjustment of calibration frequency, adequacy of the measuring or test equipment, calibration procedures and measuring or test procedures. The seller's system shall specifically identify, and prevent the use of the any measuring and test equipment that does not perform satisfactorily.

**Calibration certificate/report**
Calibration certificates and/or report shall include environmental conditions at the time of the calibration, statement of uncertainty and statement attesting to measurement traceability and to the fact that calibration services were performed in compliance with one or more of the following: ISO 10012, ANSI/NCSL Z540, or ANSI/ISO/IEC 17025.

**Notification of significant out-of-tolerance conditions**
Seller's system shall clearly define a significant out-of-tolerance condition. Seller's system shall include the requirement for notification of measurement and test equipment users, or other appropriate seller elements, of significant out-of-tolerance conditions so appropriate actions can be taken to correct possible nonconforming goods.

17. The Suppliers, Special Processors, and Subcontractors shall apply appropriate controls to their direct and sub-tier external providers, to ensure that requirements flowed down via POs, drawings, and specifications are met.

18. FOD Prevention Program
Suppliers and their sub-tiers or contractors shall maintain a FOD Prevention Program in accordance with Aerospace Standard AS9146, Foreign Object Damage (FOD) Prevention Program – Requirements for Aviation, Space, and Defense Organizations. Whenever or wherever Foreign Object Debris (FO) can be entrapped or Foreign Objects (FO) can migrate, Suppliers shall ensure that applicable Quality Clause for FOD and FO prevention requirements are flowed down to their sub-tiers or subcontractors at every tier.
Prior to closing inaccessible or obscured areas and compartments during assembly, Suppliers and sub-tiers shall inspect for FO/material and ensure protective devices (e.g., bags, caps, covers, plugs) remain embedded. Supplier shall ensure tooling, jigs, fixtures, and test or handling equipment are maintained in a state of cleanliness and repair sufficient to prevent FOD and FOD.

19. Awareness: The suppliers and their sub-tiers or contractors shall ensure that all employees performing work on this purchase order are aware of the importance of their contribution to: the conformity of the products and services to the requirements; ensuring product safety; and of ethical behavior.

8.2 Quality Program / Inspection Systems
The following quality system requirements may be specified on specific purchase orders where the customer contract or order requires compliance to the stated standards.

TRACEABILITY AND CONTROL

301. Dice Traceability Requirement
All dice used in the device(s) described on this order must have traceability to the original manufacturing lot. A manufacturing lot is defined as, and shall be composed of, those devices which were processed through all phases of wafer fabrication together. Shipping documentation must provide traceability from the original dice to the manufacturing lot identification of the devices.

a. Semiconductor dice shall be identifiable by diffusion lot number. A ‘diffusion lot’ is defined as a homogenous lot of devices that have been processed through all phases of wafer diffusion and aluminum interconnect metallization together.

302. Identification of Limited-Calendar-Life Material
The Supplier shall identify each item, package or container of limited calendar-life material with the manufacture date, storage temperature, and special handling conditions, in addition to the normal identification requirements of name, part or code number, specification number, type size, quantity, and manufacturer recommended shelf life. This identification, including special handling conditions shall be recorded on the shipping documents for the material.

303. Identification of Limited-Calendar-Life Material in a Cured Condition
a. The Supplier shall furnish cure date, assembly date, part name and number, and manufacturer's identification number, (if different from part number) for rubber parts (synthetic or natural), individual parts or parts installed in assemblies, delivered under this purchase order. This information shall be identifiable with the assembly, and when applicable, component parts within the assembly to which it applies. The assembly date shall be marked on each assembly or on an attached tag.
b. The Supplier shall furnish with each shipment of parts or parts within an assembly incorporating a limited-calendar-life material that does not require age control after installation (e.g., adhesives, resins, plastic base paints, etc.) two (2) legible and reproducible copies of a certification stating the limited-calendar-life material was properly controlled prior to use and within the shelf-life period when incorporated.

a. The certification shall be identifiable with the part(s) or assembly(s) to which it applies and this purchase order. The certification shall contain the signature and title of an authorized representative or the Supplier.

306. Wire Identification
Each package or spool of wire on this order must be legibly and permanently identified with:

- Purchase Order number
- Wire Gauge
- Cure date (if applicable)
- Military Specification number
- Leach International Specification number (if applicable)
- Leach International Part Number (if applicable)

307. Hardware Kit Tabulation
For those shipments in which Leach International intends to procure kitted hardware, a Hardware Kit Tabulation (form QAF-250) must accompany each lot shipment. The form is intended to provide full traceability for all item(s) supplied in the kit by tabulating the hardware, quantity, description, and its respective trace number back to the original equipment (OEM) manufacturer certification(s). These certifications are to remain on file at the supplier's facility and made available upon request.

TESTING AND CERTIFICATIONS

401. Test Reports – Chemical / Physical
Each shipment must be accompanied by a legible and reproducible copy of actual reports of tests performed in accordance with the applicable specification or purchase order requirements, identifiable to material submitted. These reports must contain the signature and title of an authorized representative or the agency performing the tests and must assure conformance to specification requirements.

a. Suppliers of Contacts or Contact materials shall submit a copy of the original Certificate of Conformity for Raw materials used, a chemical analysis of the finished product and photographs of sectioned contacts with each shipment of materials per 512-0030-000-000, Inspection Requirements for Contacts and Contact Materials.

402. Nondestructive Test Reports
Each shipment shall be accompanied by two (2) legible and reproducible copies of nondestructive test reports conducted per the applicable procedure which demonstrate that the material supplied meets the requirements of the applicable specification. The reports must include the signature and title of an authorized representative of the agency performing the test and must assure conformance to specification requirements.

407. Process Certification (Special Processes Only)
Each shipment of material on this purchase order must be accompanied with a legible and reproducible copy of a process certification containing the signature and title of an authorized representative of the agency performing the process. The certification shall include the process used such as: heat treating, liquid honing, surface preparation and treatment (plating), brazing, etc., the Leach Process Specification number or other applicable specification, e.g. ASME or MIL-SPEC. and the Leach Part Number including Revision letter of the part being processed. When parts are serialized, the serial numbers must appear on the certification.

408. Functional Test Certification
Each shipment shall be accompanied by a legible and reproducible copy of functional test certificates for which test reports are on file and available for examination. This certification must contain the signature and title of an authorized representative and assure conformance to specification requirements.

409. Required Test Data
Each shipment of material on this purchase order must be accompanied with a legible test data report(s).

411. JAN Devices, Traceability Documentation (MIL-S-19500)
Procurement traceability of JAN-marked devices shall be confirmed by documentation and furnished with parts delivered to Leach International regardless of whether the devices are procured directly from the manufacturer or from another authorized source, such as a manufacturer authorized distributor. When other sources are involved, their documentation shall be in addition to and include that provided by the manufacturer and previous distributors. This documentation shall include the following information:

a. Manufacturers Documentation
   1. Manufacturer’s name and address.
   2. Customers or distributor’s name and address.
   3. Device type and product assurance level (e.g., JAN, JANTX, JANS).
   4. Lot date code (including assembly plant code).
   5. Original inspection date or latest re-inspection date.
   6. Quantity of devices in shipment from the manufacturer.
   7. Signature of authorized person and date of transaction.

b. Distributor Documentation for Each Distributor

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Leach International Mexico S de RL de CV

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1. Distributor’s name and address.
2. Name and address of customer.
3. Quantity of devices in shipment.
4. Latest re-inspection date, if applicable.
5. Certification that this shipment is a part of the shipment covered by the manufacturer’s documentation.
6. Signature of authorized person and date or transaction.

412. Destructive Testing Requirements
The Supplier shall submit all destructive testing samples that are required by the applicable drawings, processes or specifications included as part of this order. The submitted samples shall demonstrate that the parts meet all requirements for the process being tested. The submitted samples shall be packaged separately and clearly identified as destructively tested samples and include reference to the test specification.

Destructive test samples shall be limited to two (2) pieces per manufacturing lot unless otherwise specified in the applicable drawing, specification or Manufacturing Job Instruction.

413. Finish for Electronic Components
Electronic Components:
Where the Leach International Source Control Drawing (SCD) or Vendor Item Control Drawing (VICD) contains no specific requirement regarding plating finish, Leach International requires that the finish shall not consist of pure tin, pure cadmium, or pure zinc. Where a tin-lead alloy termination coating is specified, the tin-lead composition must contain a minimum of 3% lead. Lead free termination finish options containing tin, such as matt/bright tin, tin-silver, tin-copper, tin-silver-copper, etc. are acceptable if specified on a Drawing, SCD or VICD.

PACKAGING REQUIREMENTS

503. ESD PACKAGING
ESD Packaging to be in accordance with Leach International Document 002-5800-000, Paragraphs 4.6 and 5.0 and QAP 3.16 when applicable.

504. Magnet Wire
Magnet wire, 45 gauge or finer, shall be packaged per Federal Specification J-W-1177A, Paragraph 5.1-1.1, or better

505. Packaging Silver
Silver Packaging: Storage, transporting and handling of parts and sub-assemblies containing silver or silver alloys shall be in accordance with Leach International Document 400-0111-001-000.
600. PPAP AND NADCAP REQUIREMENTS CODES
This section defines the compliance requirements for goods purchased under PPAP and NADCAP quality requirements.

601. General PPAP Documentation Requirements
Suppliers shall have an EPSL approved control plan for any item identified as critical or, where key characteristics are specified. (Codes 6011 or 6012.)

FAIR shall be in accordance with IAW AS9102.

Suppliers of standard parts, (MS, AN, AS, etc.) do not need to comply with PPAP requirements.

A supplier of COTS parts does not need to comply with PPAP requirements.

Certificates of conformity are required for all items.

Certificates of conformity are required for raw materials including all mill original material certifications if available.

Certificates of conformity are required from all sub-tier supplier goods and processes.

Certificates of conformity are required for all special processes.

Copies of NADCAP accreditation certificates are required for all special process suppliers.

NADCAP accreditation AC7004 may be substituted for AS9100.

6011 FAIR shall also include QC-1700.00.

6012 Critical Item, identified key characteristics must be verified IAW AS9102 and the control plan. (See 617.)

NADCAP REQUIREMENTS
The following codes indicate which special processes must be NADCAP accredited and certificates of conformity supplied.

602. Aerospace Quality Systems AC7004
The Aerospace Quality Systems Task Group recognizes the industry developed Aerospace Quality Systems standard AS/EN/JISQ9100 and AS/EN9110. In, addition, NADCAP recognizes ISO 17025 for testing laboratories, including nondestructive testing laboratories. The ISO 17025 scope of accreditation must cover the NADCAP scope of accreditation and be from an approved NACLA / ILAC accreditation body.
Suppliers who have an AS/EN/JISQ9100 or AS/EN9110 registration / certification from an IAQG approved Registration / Certification body, as listed on the IAQG Oasis website, or an ISO 17025 accreditation approved by NACLA / ILAC do not require an additional quality systems audit through NADCAP.

At the time of the audit, when a supplier does not hold a current approved quality system in accordance with NOP-002, an assessment to the NADCAP AC7004 is required.

603. Chemical Processing shall conform to AC7108
604. Coatings shall conform to AC7109
605. Composites shall conform to AC7118
606. Conventional Machining as a Special Process shall conform to AC7126
607. Elastomer Seals shall conform to AC7115
608. Electronics shall conform to AC7119
   Any or all of the following may apply.
   6081 AC7119 – Printed Circuit Boards
   6082 AC7119/1 – Rigid Printed Boards
   6083 AC7119/2 – Flexible and Rigid-Flexible Printed Boards
   6084 AC7119/3 – High Density Interconnect Printed Boards
   6085 AC7120 – Printed Circuit Assemblies
   6086 AC7121 – Cable and Harness
609. Fluids Distribution shall conform to AS7112
610. Heat Treating shall conform to AC7102
611. Materials Testing Laboratories shall conform to AC7101
   Any or all of the following may apply.
   6111 AC7101/1-9,
   6112 AC7101/11,
   6113 AC7006
   6114 AC7006 – equivalent to ISO/IEC 17025: 2005
612. Measurement & Inspection AC is TBD
613. Nondestructive Testing AC7114
614. Nonconventional Machining and Surface Enhancement shall conform to AC7116 and/or AC7117
615. Sealants shall conform to AS7202 and AS7200/1

616. Welding shall conform to AC7110

617. Control Plan Required. A Leach International approved critical process/part control plan will be required per SAE-J1739.

618. PFMEA (Process Failure Mode Effects Analysis) Required. A Leach International approved process failure mode and effects analysis and a control plan (617) will be required per SAE-J1739