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## Supplier Quality Assurance Requirements

This specification is an integral part of the order and need to work by all its requirements unless otherwise required in writing by "Tirosh". Failure to comply may result in Withholding acceptance of shipment or delay in payment of invoice.

### **Quality System-**

The supplier shall maintain an effective Quality Management System in accordance with the requirements of ISO 9001, AS9100, or equivalent that provides a means of ensuring that products conform to specified requirements.

### **Awareness**

The Supplier/sub-contractor is aware of contribution to product or service conformity, product safety and ethical code

### **Requirements for qualification of personnel**

The supplier will have suitable procedures to ensure that all personnel affecting quality are competent, and able to carry out their duties. Personnel shall be suitably qualified based on appropriate education, experience and training. Training Records shall be clearly maintained to identify individual's responsibilities and authorizations.

### **Calibration system:**

The supplier and any supplier's sub-contractors shall maintain a Calibration System in compliance with the Calibration System Requirements of ISO10012 or ANSI Z540-1.

### **Change of Circumstances**

The Supplier shall inform TIROSH of changes to its Certification, Registration and Accreditation status and any other changes that may affect Quality such as change of ownership or manufacturing location.

### **Right of Access-**

Right of access to TIROSH authorized representatives, their Customer and Regulatory Authorities shall be afforded to all facilities involved in the order and to all applicable records and for verification of parts and materials at the Supplier's premises.

### **First-Article Inspection (FAI)**

The Supplier shall submit a First Article Inspection (FAI) when any of the following occur:

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- The first time material is provided (full FAI),
  - A change in design (partial FAI for affected features/characteristics),
  - A change in manufacturing source(s), process (es), inspection method(s), location of manufacture,  
Tooling, materials, NC programming (full FAI may be required),
  - A lapse in production for 2 years or longer (full FAI),
  - Partial FAI must be submitted with the full FAI and any subsequent partial FAI to be considered Complete.
  - First Article material shall be produced using production tooling, processing and methods and must include all Design data specified by the PO, Engineering drawing and any other applicable design document.  
A material certificate and special process certificate where applicable must be provided with the FAI report.
- \* First Article Inspection is a representative sample from the batch and shall be 100% inspected for Conformance to Requirements.

- The number of parts for FAI will define in the PO.

The FAI report will including 100% of drawing or specification requirements and will retained by the supplier, a copy of the FAI report must be provided to TIROSH with the material it represents.

All characteristics must be compliant with the requirement unless previous approval has been given by TIROSH.

The format of the FAI report must comply with SAE AS9102 or equivalent.

### **Sub-tier Suppliers-**

When the Supplier sub-contracts a process or requirement to a Sub-tier Supplier the applicable requirements must be flowed down to that Supplier. Approval of a Sub-tier Supplier by TIROSH does not relieve the Supplier of the responsibility for assuring that work performed or products supplied by the Sub-tier Supplier are in accordance with specification requirements.

### **Sampling Inspection**

Sampling Inspection may be employed with a statistically valid (C=0) sampling plan that precludes the Acceptance of lots whose samples have known nonconformities.

Unless otherwise specified the sampling plan will be according SQUEGLIA TABLE, AQL 2.5%.

In case of deviation all lot need to be checked.

The use of other sampling plans or schemes is prohibited unless approved by TIROSH.

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**Changes in Product/Process Definition-**

The Supplier shall notify TIROSH of changes in Product and/or Process Definition and where required obtain TIROSH's approval.

**Control of Special Processes**

The Supplier and any Sub-tier Suppliers used shall be NADCAP and/or TIROSH approved for any process considered to be a Special Process. Special processes include but are not limited to heat Treating, welding, brazing, plating, and non-destructive testing processes such as x-ray, liquid Penetrant, magnetic particle, ultrasonic, and visual inspection.

**Non-Conforming Products**

Shipment of product which knowingly fails to conform to TIROSH. requirement and specifications is prohibited

Without written approval from TIROSH. via formal submission of Supplier Waiver/Deviation.

Notification to TIROSH is required in the event of a product or component delivered to TIROSH is later

Found to be nonconforming. Details of the nonconformance including delivery and quantities are required.

**Raw Material**

Raw Material will supply only from Authorized country like Western Europe and USA (china is forbidden supplier), determined to be trusted source that will reliability provide authentic and conforming material , and entered on a register of approved supplier.

**Test Reports Raw Material/Chemical/Physical**

Each shipment shall be accompanied by a copy of the original test report containing quantitative data for the chemical analysis and/or physical properties, as applicable, for the material supplied or used in the manufacture of the product. (i.e. plate, bar, chemical).

The supplier shall maintain full traceability of all raw materials.

**Inspection and test characteristics:**

Sub-contractor shall inspect and/or test as applicable, all characteristics defined by the purchase order and applicable drawing specifications pertinent to the work that the seller is responsible for performing.

The inspection will include 100% visually testing and **Foreign Object Debris (FOD)**. The reports will include when applicable the S/N of the parts that examined.

**Source inspection and examination**

In case TIROSH will demand to preform source inspection before delivery the supplier will notify TIROSH one week before the end of manufacturing.

TIROSH will use the facility of the supplier to make the inspection.

**Government source:**

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In case of Government Source Inspection is required. Supplier shall contact TIROSH and applicable Government Representative to arrange for Government acceptance prior to shipment from supplier facility.

**Certificate of Conformity -**

Unless otherwise specified by Purchase Order/contract, a supplier shall provide adequate certification of conformance for all materials and processes specified on drawing and/or Purchase Order/contract, specification for each shipment.

Unless otherwise specified, the revision status of the drawings, specification, process requirements, inspection/verification instructions and other relevant technical data is mandatory required on the COC's.

The revision in effect on the date of manufacturing is to be used unless otherwise specified on the PO.

**RoHS / REACH declaration –**

All suppliers of Materials and Components to TIROSH shall comply with the requirements of the European Community Regulations on Chemicals and their safe use – REACH and where the product is declared to meet RoHS requirements.

**Control of Quality Records-**

Records related to the manufacture and/or process operations, including Inspection and Test are to be retained by the Supplier and made available on request for verification by TIROSH, our Customers and Regulatory Authorities. Unless otherwise specified the period of retention shall be for a minimum of ten years.

**Packaging and handling:**

The supplier shall use appropriate methods of handling, packaging, and preservation to prevent damage of product in process and during delivery.

Each container / pallet need to contain the following information:

Supplier Name, Purchase Order Number, drawing no', part No', quantity, date.

**Transfer Information:**

Confidentiality Obligation: Subcontracting undertake not to give any information or other magnetic media entity without authorized by the Quality Assurance System "Tirosh".

Subcontracting prohibited getting instructions, requirements, specifications or drawings from the final customer or any other factor besides "Tirosh ".

**Prevention of counterfeit materials/ components**

- Supplier shall have a preventive counterfeit process
- Supplier shall purchase authentic materials only from the manufacturer or approved distributor

- Supplier shall declare and ensure that when required it'll provide to Tirosh all purchasing documents and manufacturer traceability

The supplier must maintain a method that will ensure the traceability of the supply chain of the components supplied. The traceability of the purchase shall include: details of the supply chain from the manufacturer of the original component to the direct source from which the component was purchased by the supplier, if appropriate,

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the appropriate supply of paperwork to prove the supply chain from the producer to the final customer.

- The supplier must attach to each shipment the original certificate of conformity (COC) issued by the component manufacturer.
- The vendor must maintain records including DATE CODE, packet numbers and any other documentation attached to the purchase order and the invoice. The supplier must attach to each supply an Original Certificate of Test (COT), if required

**Safety and Environment Policy in Tirosh David**

- Tirosh David quality casting certified company to:
- A. ISO 14001- Environmental Management System
  - B. OHSAS 18001 - health and safety management system specification.

Environmental System

- If the supplier is not authorized to ISO 14001 the supplier committed to work under the laws and regulations of environmental.
- Special emphasis will be given to pollution prevention processes and use reference materials and environmentally friendly packaging.

System Occupational Health and Safety

- The Supplier is required to maintain a safe and healthy environment to employees, and to the guests that Enter to his factory.
- Provide personal protective equipment required to carry out any kind of work for employees and  
Guests.
- Warn the employees and guests about the dangers in the workplace

Subcontracting Name: \_\_\_\_\_ Name of signatory: \_\_\_\_\_ Signature:  
\_\_\_\_\_ Date: \_\_\_\_\_