

## Preamble

TQ develops and produces electronic components, modules and systems for the aeronautical industry, both on behalf of customers and also on its own behalf. Product quality, adherence to deadlines, services and competitive prices are the most important bases for the client when serving the customer.

To meet the aeronautical industry requirements, minimum standards must be upheld by all supply chain participants.

These delivery conditions must be applied to all deliveries if they are referred to on the order.

## Purpose / Scope

This document states the quality requirements for aeronautical components for all TQ contractors. These requirements are applied to all deliveries of:

- Individual parts (purchased parts)
- Services
- Materials
- Units

Deviations from these requirements are only permitted with the client's written approval.

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## 1. Quality assurance

The contractor guarantees that the quality, workmanship, dimensions and precision will comply with the information in the relevant technical documents/technical product specifications. The contractor assures it will conduct constant quality controls on all items to be delivered to the client during production. The "Zero-defect principle" must be aimed for here. If and insofar as no comprehensively informative product specifications or an express quality agreement exists for a delivery item, the contractor assures in every case that at least all relevant standards, as amended, have been upheld.

The contractor guarantees that the production/distribution processes applied to manufacture/distribute the delivery items comply with the latest standards of technology and the relevant legal regulations.

The contractor is solely responsible for the quality of the delivered products. This also applies if the client has approved deliveries. In the event of a deviation from the contractually agreed quality, the contractor must inform the client of this in writing prior to delivery. Delivery approval in the event of a deviation is exclusively given in writing by the client.

The contractor is obliged to forward the relevant requirements to its subcontractors in writing.

## 2. Identification and retracing

The contractor's quality management system must ensure the delivered products can be clearly traced.

The delivered items must also be clearly labelled; the contractor must be able to use this information to retrace the production processes employed, materials used and tests performed.

The contractor must provide this information within 2 (two) working days at TQ's request.

## 3. First Article Inspection

Upon first delivery, the contractor will compile a First Article Inspection report as per DIN EN 9102 for the delivery items, file this, and provide it to the client on request. In the event of any delivery with a quality verification certificate (acceptance test certificate/factory test certificate according to DIN 50049/EN 10204) or material test certifications according to DIN 55350, the contractor will also confirm that the delivered contractual products have successfully undergone the relevant quality tests.

## 4. Test certificates

All test certificates (factory certifications) requested by the client must meet the requirements of EN 10204.

The respective submission level (2.1, 2.2 or 3.1) is specified in the order; the factory test certificate must be enclosed with the delivery.

## 5. Quality management system

The contractor, as well as any of its co-operation partners, have at least a quality management system as per ISO 9001 or a comparable quality management system, and demonstrate this to the client on request.

## 6. Documentation

The contractor commits to establishing a sustainable documentation system to prove adherence to the legally stipulated, and contractually agreed, quality level. This provision concerns the following documents:

- Shipping documents
- First Article Inspection reports
- Work and test instructions
- Test reports and records on the statistical process controls (SPC)
- Order confirmations and contract reviews

The client must be allowed to see these records on request. The contractor commits to filing these documents in accordance with the storage periods of DIN EN 9130.

## **7. Auditing**

The contractor agrees that the client and/or the client's customers are entitled to audit its company and or subcontractors at any time insofar as prior notice is given.

## **8. Changes**

The contractor gives prompt notice before modifying manufacturing processes, materials or supplier parts for the client's drawings, so that it can check whether the change may have a negative effect on the delivery item or not. The contractor may only make technical changes to the delivery item based on a written approval from the client. This does not release the contractor from its sole responsibility for product quality. The contractor may only change the production site of certain or all products with the prior written consent of the client.

## **9. Packaging**

Insofar as no specific packaging has been agreed on, the contractor is responsible for correct packaging. This packaging must be damage-proof (e.g. resistant to knocks/drops, moisture and ESD).

## **10. Briefing/training**

The contractor is obliged to create guidelines to determine the training required, and ensure appropriate training/qualification of staff involved with manufacturing products or rendering services. Training certificates must be stored in accordance with DIN EN 9130.

## **11. Environment**

The contractor is largely responsible for the environment in terms of manufacturing and transport.

TQ expects its contractors to take into account environmental aspects during production (protection of resources) and transportation (returnable or recyclable packaging).

## **12. Document availability**

The currently valid document is available for download on TQ's homepage: [www.tq-group.com](http://www.tq-group.com).

## **13. Other relevant documents**

QSF-A: Production orders

QSF-B: Manufacturing orders

QSF-C: Development and manufacturing orders

QSF-D: Commercial orders