



Fokker Aerostructures B.V.
Quality Procurement department

Supplier Quality Assurance Requirements **(standard)**

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The latest issue to this document is the version that is available on the Fokker Aerostructures website:
http://www.fokkeraerostructures.com/17711/Supplier_Portal-Supplier_Q-requirements.html

Revision	Date	Changes
01	01 February 2010	New document, replacing all basic requirements on Fokker Aerostructures Purchase Orders
02	03 May 2010	Materials - Grain Direction - Grain direction will run the length of the part unless otherwise specified.
03	14 June 2010	Required documents – “Bought out” has been added to the overview of required documents

Document: ExhB-SQARen2010 Supplier Quality Assurance Requirements Standard

Scope of agreement

This Exhibit-B defines Buyer's requirements with respect to quality.
 This Exhibit-B forms an integral part of the General Terms Agreement (GTA) concluded between Seller and Buyer or can be an attachment to a Purchase Order.
 All terms defined in the General Terms Agreement (GTA) shall be applicable to this Exhibit-B, unless explicitly defined otherwise in this Exhibit-B.

Quality Requirements

Applicable Quality System
 Seller's quality system shall comply with the requirements of Table1

Additional Quality System requirements

Over and above aforementioned ASD Standard AS/EN 9100, Seller shall comply with and herewith accepts applicability of the additional quality system requirements to AS/EN 9100 mentioned in this Exhibit-B.

Required documents:

In case Seller is approved by the National Aviation Authority (NAA), Seller shall deliver all Products with an Authorized Release Certificate/Airworthiness Approval Tag (i.e. FAA Form 8130-3 or EASA Form one).

Upon Buyer's request Seller shall provide satisfactory proof of Approval by the National Aviation Authority (NAA) as indicated above.

A Certificate of Conformity shall be based on objective evidence (a.o. measuring and/or test reports), demonstrating and stating full compliance with purchase order requirements;
 On Buyer's request, applicable objective evidence shall be forwarded to Buyer within 48 hours.

- Original COC to be packed with the goods.
- Sellers name and lot number on the COC.

Depending on supplier type and Quality system certification different types of certificates are required

	AS/EN9100	ISO9001	AS/EN9120
Manufacturer Bought out and Standard parts	COC	COC	-----
Manufacturer Raw materials	COC + test report	COC + test report	-----
Subcontractor Machining	COC	COC	-----
Subcontractor Special processes	COC + test report	COC + test report	-----
Distributor Standard parts	COC + COC OEM*	COC + COC OEM*	COC
Distributor Raw materials	COC + COC OEM* + test report	COC + COC OEM* + test report	COC + Test report
Agent	COC + COC OEM*	COC + COC OEM*	-----

*OEM = Original Equipment Manufacturer

Quality System Changes & Relocation

Seller shall notify Buyer, in writing, within 10 days of :

- (1) Adverse change in its quality system resulting in loss of 3rd party registrar's certification status;
- (2) Adverse action taken by Seller's customer, the Government, the Federal Aviation Agency (FAA), or the Civil Aviation Agency (CAA);
- (3) Change in seller's quality organization, process or procedures that affect conformity verification of any item. Seller shall also notify Buyer, in writing, at least 90 days in advance of any sale, relocation, or transfer of Seller's manufacturing operations.

Language

Unless otherwise authorized by Buyer in writing, upon request by Buyer, Seller shall provide all Seller records, reports, specifications, drawings, inspection and test results and other documentation in English.

Quality record retention

Supplier shall retain Quality Assurance and Quality Control records, manufacturing data, drawings (engineering, tooling) and maintain a system with the ability to recall these records upon request by Fokker Aerostructures. Additionally, distributors shall assure that manufacturers maintain quality assurance/manufacturing/inspection records and that these records are also available upon request. Unless otherwise stated in this purchase order, the quality record retention period shall be ten (10) years following the end of the year in which this Purchase Contract is accomplished. Data considered essential for continuing airworthiness (Identifiable part) should be kept throughout the operational life of the product, part or appliance.

Quality records shall be available for evaluation by Buyer for the above mentioned periods of time.

Prior to disposal of any records of product quality acceptance the Buyer must be notified; the Buyer may choose to have such records transmitted to him.

Production and service provision

Buyer and/or its Customer shall have the right to carry out tests and inspections at Seller's Facility and his sub-contractors at appropriate stages of purchasing, manufacturing and final inspection of finished Products.

First Article Inspection (FAI)

Seller shall inform Buyer when the First Article Inspection takes place at source. Seller shall inform buyer at least one week upfront.

Seller's First Article procedure shall comply with AS/EN 9102

In case a First Article Inspection deemed not necessary to be witnessed by Buyer, Seller shall supply the results of his First Article Inspection to Buyer, for Buyer's approval, before proceeding with serial production runs.

First Article Inspection, or any absence thereof, shall not affect any obligation or liability of Seller pursuant to the requirements of the Agreement including those specified in Exhibit-B.

Note: When the interval between two deliveries of the same part has exceeded 12 months, the part shall be considered a "new part" and a full FAI is required.

Responsibilities of Seller

Seller shall report to the Buyer all cases where products, parts or appliances have been released and subsequently identified to have deviations from the applicable design data.

(Airworthiness) data / Configuration management

It is Sellers responsibility to check (airworthiness) data such as drawings, specifications and other technical information relevant to the product and its production processes, with Purchase Order. This shall be performed prior to production- or process- start to identify any differences between the actual configuration and the agreed configuration, including identification of the product status with respect to monitoring and measurement requirements. Where no specific revision of a specification is mentioned on the Purchase Order, the deliveries shall comply with the latest revision of the specifications mentioned on the Purchase Order

Implementation

Seller shall check, verify and control the correct implementation of any of his tasks, actions, processes and operations required to manufacture the Products in conformity with the requirements of the Agreement and shall assume the complete responsibility therefore. Buyer shall have the right to audit, verify and control Seller in respect to any quality aspect; however this shall not affect any obligation or liability of Seller pursuant to the requirements of the Agreement including those specified in Exhibit-B. For this purpose Seller shall take adequate measures that Buyer shall have access to information and to the facilities where work under any Order is being performed. Audit verification and control by Buyer shall not be used as evidence of effective quality control by Seller nor shall it preclude subsequent rejection.

Investigations made by the National Authority (NQAA/NQAR)

Seller shall make arrangements that allow the NQAA/NQAR to make investigations, necessary to determine compliance with requirements mentioned in this document. The investigations may include; audits, enquiries, questions, discussions and explanations, monitoring, witnessing, inspections and checks. The arrangements should enable Seller to give positive assistance to the NQAA/NQAR and co-operate in performing the investigation, which means that the NQAA/NQAR has been given full and free access to Seller's facilities.

Environmental requirements (Airbus A340/A380/A400)

Supplier shall implement an environmental management system to manage the environmental issues related to its activities.

Foreign Object Debris/Damage (FOD)

Supplier shall maintain good housekeeping and where applicable a Foreign Object Debris/Damage (FOD) prevention program, to preclude introduction of foreign objects into any deliverable item. Supplier shall employ appropriate housekeeping practices to assure timely removal of residue/debris generated during manufacturing operations or tasks. Supplier shall determine if sensitive areas that have a high probability for introduction of foreign objects should have special emphasis controls in place for the manufacturing environment.

Electronic Data

In case parts are defined by means of electronic data and Seller is requested to demonstrate conformity by means of own measurement results, following requirements are applicable: Seller shall comply with Fokker Aerostructures requirements and/or specific customer requirements (for example Boeing D6-51991). Seller shall maintain open communication lines between the customer, Fokker Aerostructures and

<p>the supplier for the purpose to facilitate technical coordination and changes to digital processes to improve product quality Buyer and it's customer shall have the right to review and investigate suppliers DPD system and configuration system</p>
<p>ITAR/EAR</p> <p>“Export Controlled – License Required” refers to material and information which is controlled by either the International Traffic in Arms Regulations (ITAR) or the Export Administration Regulation (EAR) in the U.S. The “License Required” means that under the applicable regulation, the material/information must be licensed for it to be exported outside the U.S.</p>
<p>Shelf Life materials</p> <p>Used or delivered shelf life materials shall be “factory new” unless Buyer’s written permission.</p>
<p>Materials</p> <p>Grain Direction – Grain direction will run the length of the part unless otherwise specified.</p>
<p>Subcontracted parts</p> <p>The use of sub-tier suppliers is only allowed with Buyer’s written permission. Where applicable, Seller shall flow down to sub-tier suppliers all applicable requirements in Buyer’s purchasing documents, including required key characteristics.</p> <p>In case of nonconforming items, Seller’s dispositions are limited to scrapping the material, rework to drawing, or return to supplier. In all other cases, Seller shall submit nonconforming material reports to Buyer for disposition. Scrapped parts shall be returned to Buyer, labeled and separately packed from the rest of the goods.</p>
<p>Deviating from SQAR-requirements</p> <p>Deviating from above mentioned Supplier Quality Assurance Requirements is only allowed with Quality Procurement’s written permission.</p>



Table 1

	Required level of certification							
Supplier type scope of supply	Manufacturer	Sub contractor	Distributor	Calibration house	Repair station	Eng. Testing house	Eng. Design house	Agent
Standard parts (catalogue off the shelf)	ISO 9001	ISO 9001	EN9120	n.a.	n.a.	n.a.	n.a.	n.a.
Metal parts	EN9100 *(1), *(3)	EN9100 *(1), *(3)	n.a.	n.a.	EN9110	n.a.	EN9100	n.a.
Composite parts	EN9100 *(1), *(3)	EN9100 *(1), *(3)	n.a.	n.a.	EN9110	n.a.	EN9100	n.a.
Outsourced parts (BUW)	n.a.	ISO 9001	n.a.	n.a.	EN9110	n.a.	EN9100	n.a.
Special processes	Nadcap *(2)	Nadcap *(2)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Assembly	EN9100 *(1), *(3)	EN9100 *(1), *(3)	n.a.	n.a.	part 145	n.a.	EN9100	n.a.
Raw material	ISO 9001	n.a.	EN9120	n.a.	n.a.	n.a.	n.a.	n.a.
Auxiliary goods	ISO 9001	ISO 9001	EN9120	n.a.	n.a.	n.a.	n.a.	n.a.
Calibration	n.a.	n.a.	n.a.	ISO-17025: 2005	n.a.	n.a.	n.a.	n.a.
Testing	n.a.	n.a.	n.a.	n.a.	n.a.	ISO-10012-1	n.a.	n.a.
Engineering	n.a.	EN9100	n.a.	n.a.	n.a.	n.a.	EN9100	n.a.
Tooling	ISO 9001	n.a.	n.a.	n.a.	ISO 9001	n.a.	EN9100	n.a.
NPR	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

*(1) In case of military programs and required by the customer AQAP 2110 (110) or AQAP 2120 (120) is applicable.

*(2) In case of customer or Fokker specific special processes resp. customer or Fokker qualification is required.

*(3) In case of Special Products programs without customer requirements a minimum level of ISO 9001 is required.

Approved:
Eelco Houkes,
Manager Quality procurement