Unit 1003 Great Bank Road, Wingates Industrial Park Westhoughton, BL5 3XU,

Contents

Foreword

The Aerospace industry is both competitive and demanding, with ever increasing levels of customer expectations for both product performance and reliability.

AP Filtration Limited (Formally APPH (Bolton)Limited) established an enviable operating capability, serving several prestigious customers.

Our purchased material supplies are a vital ingredient for success, and this document has been compiled to define the basic systems and processes we expect our Suppliers to adopt to ensure that the AP Filtration quality responsibilities are fully met.

It is our intention to develop long term partnerships with those Suppliers who can consistently achieve these standards so that together we can provide the level of quality excellence necessary to satisfy all our customer needs.

Scope

It is the mission of AP Filtration to provide customers with leading-edge products with uncompromising quality. A critical element to accomplish this mission is receiving parts / products from our Suppliers on time with the highest quality and reliability. Therefore, suppliers are empowered to initiate action to ensure both quality and continuous improvement for every part/product delivered to AP Filtration using procedures in this document.

1. Contact Details

info@apfiltration.com

2. Quality Certifications

The supplier shall maintain a Quality Program in compliance with ISO9001/AS9100/AS9120 requirements. The supplier shall maintain compliance to this SQAP, unless a deviation is agreed with AP Filtration. There may be specific or special requirements applicable to the supply of certain products or services based on Engineering, Quality and Customer requirements. The supplier will be made aware of these by Purchase Order.

Suppliers or sub-tiers completing special processes, such as welding, heat treating, plating, coating, non-destructive testing, must be performed by NADCAP approved suppliers unless stated otherwise by AP Filtration or AP Filtration's Customer.

If, at any time, a supplier or sub-tier should receive notification of their license being amended, suspended or cancelled the supplier is responsible for notifying AP Filtration within 2 working days of receipt of notification.

3. Business Contingency Plan (BCP)

Suppliers shall develop and maintain a BCP that will guide the organisation to respond to a disruption (unplanned, negative deviation from the expected delivery of products and services i.e., pandemic, flood, fire, etc.) and resume, recover and restore the delivery of products and services to AP Filtration. The BCP should mitigate the risk (Quality and Delivery) of supply breakdowns. Suppliers also need to ensure protection of AP Filtration supplied property and provide access to them in the situation of a disaster. This BCP plan is to be submitted if requested by AP Filtration.

4. Right of Facility Access

The supplier shall grant AP Filtration, Military/Civil regulatory authorities and/or Customer representatives' access to their facilities and documentation, and provide them with necessary means, in accordance with any confidentiality rules, for performing the supervisory actions, including checking for conformity to a contract and/or to a product, and surveys on the functioning of the Quality Management System. In cooperation with the supplier, this right of access is extended to the sub-tier suppliers and requires AP Filtration to give 48 hours' notice.

5. Source Inspection

Source Inspection at a supplier's site may be imposed by AP Filtration via a letter issued from the AP Filtration Quality department, this will also be noted on the applicable Purchase Order. Only AP Filtration can remove or waive source inspection.

Source inspection may be imposed by, but not limited to:

- Product Audit / Inspection
- Process Audit / Inspection
- Corrective action review / follow up

6. Design Data

It is the supplier's responsibility to ensure the latest drawings and specification revisions are used as specified on the AP Filtration purchase order or AP Filtration drawings.

7. Customer Notification of Management or Business Change

Suppliers are required to notify AP Filtration of all senior management changes who have responsibility and authority for their Quality Management System. i.e. Quality Manager etc.

All suppliers are required to provide Quality Certifications and are required to inform AP Filtration of any changes in these Quality Certifications. This includes, but is not limited to: suspension or cancellation of certification and any change to certifying body.

8. Contract Review (RFQ) / Purchase Order Review

The supplier shall conduct a review (Contract / Order review) on the Purchase Order or Contract from AP Filtration prior to acceptance. This review shall include, but not limited to:

- The ability to meet the requirement for product and/or services to AP Filtration.
- Requirements specified by AP Filtration including delivery and any post-delivery activities.
- Statutory and regulatory requirements applicable to the products and services.
- AP Filtration specifications and standards applicable to the Purchase Order or Contract.
- Requirements not stated by AP Filtration, but necessary for the specified or intended use, when known.
- Resources and infrastructure required to meet the AP Filtration requirement.

The review should include all necessary functions within the supplier's organisation relevant to Purchase Order/Contract, size of the business and considered necessary by the supplier to ensure that on acceptance of the order, the requirements of AP Filtration will be fulfilled. The supplier shall retain documented evidence that the review has been successfully completed.

Note: when required AP Filtration will notify suppliers of flow down requirements from our customers, at the time of the contract review, the supplier shall review these requirements and implement where applicable

9. Flow Down of Requirements

The supplier shall be responsible for flow down of all the requirements and provisions of the AP Filtration purchase order applicable to the supplier's sub-contractors, including the applicable requirements of this SQAP.

The supplier shall ensure that externally provided processes, products and services meet the requirements of AP Filtration, and any special process requirements including relevant clauses of this SQAP.

The supplier shall be fully responsible for the conformity of any sub-contracted product, service and/or process provided while fulfilling AP Filtration requirements. This applies equally to any subcontractor designated by AP Filtration.

Control of the external suppliers shall be managed under the supplier's quality management system and Suppliers/subcontractors shall be on their Approved Suppliers List.

10. First Article Inspection (FAI) / AS 13100 requirements

The supplier shall use a representative item from the first production run to verify that processes, documentation, tooling, and skill levels are able to produce parts and assemblies that are compliant to requirements. This is demonstrated by submitting a First Article Inspection Report (FAIR) with the first lot shipment of product and any further changes defined in AS9102.

The FAIR for AP Filtration must include ballooned drawings and copies of all certificates.

FAI parts must be identified as "First Article" by tagging, special packaging, or other suitable means of identification.

AP Filtration requires suppliers to use AS9102 latest revision format for FAI reporting for New or Delta FAIRs. Other formats must have advance approval from AP Filtration.

Blank FAI forms can be supplied by AP Filtration on request. The supplier shall retain the FAIR as proof of the production verification process. If a supplier requires assistance in the completion of a FAI to AS9102, they are to contact the AP Filtration who will provide aid in completing the FAI.

When requested suppliers shall complete a PPAP in accordance with AS9145 or equivalent specification and provide documented evidence to confirm compliance to AS13100 or equivalent speciation.

Note: Suppliers who are AS9100 accredited will need to complete the FAIR as part of their verification process as per the standard, therefore AP Filtration will not pay for any FAIR cost.

11. Record Retention

The Supplier shall maintain all records history as imposed by the Purchase order or ISO9001/AS9100/AS9120 this shall include but not limited to: -

- First Articles
- In-Process
- Final Inspections
- Tests
- Test samples
- Any other part data
- Material certification
- Quality records

Inspection records shall indicate the following:

- Nature and number of observations made
- Number and type of deficiencies found
- Quantities approved and rejected
- Corrective Action taken

Records shall be retained for a minimum of 12 years unless agreed with AP Filtration.

All records must be available to AP Filtration within a maximum of 72 Hours.

12. Reportable Substances (REACH)

Products purchased from the supplier and Products sold by AP Filtration are "Articles" as defined in the REACH (Article 3 Definitions). Moreover, and under normal and foreseeable circumstances of application, the article(s) supplied shall not release any Substances of Very High Concern (SVHC).

- The supplier's obligation to AP Filtration is to declare the presence of an SVHC in the Article (Part) they supply.
- All future orders will have the following statement: -

REACH Status regulations and Substances of Very High Concern (SVHC's). All delivered articles (Parts) must have a clearly defined statement informing AP Filtration of the known REACH status of the article (Part) included on the C of C or on the delivery paperwork. Note: This article (part) does/does not contain SVHC's

- (If the article does contain SVHC's then state the type and % weight SVHC/per article. i.e.: > or < 0.1% w/w of SVHC's present)
- AP Filtration are obligated to declare to their customers any substance that is on the Substance of Very High Concern (SVHC) list, AP Filtration will follow information obligation as per Article 33 of REACH regulation (EC No: 1907/2006)

Note: See www.echa.eu for guidance

13. Conflict Minerals

The supplier shall have a Policy or Procedure in place to ensure any changes to the Dodd Frank's regulatory requirements are reviewed and abided by and is flowed down to their supply chain.

Note: See https://www.gov.uk/guidance/conflict-minerals for guidance.

Within the scope of supply to AP Filtration, the supplier shall maintain documented information and evidence to confirm they have achieved, or exceeded, AP Filtration requirements.

14. Identification and Traceability

Supplier shall document, implement, and maintain a process for identifying Product during all stages of receipt, any internal processing, storage, distribution, and shipment.

Traceability the original manufacture must be maintained.

All certifications shall be traceable to the material submitted and shall contain the signature and title of the authorised representative of the seller, Lot/Batch and/or Serial numbers shall be identified.

Computer generated facsimile signatures will be accepted.

15. Handling, Packaging and Preservation

The Supplier shall ensure that all articles are packaged in a manner to avoid damage to the component, the Supplier shall be responsible for all transportation damage to AP Filtrations facility.

When required by customer requirements these will be flown done via the P. O.

When packaging parts, the use of staples, styrofoam chips, polystyrene pellets, shredded paper, paper towelling or newspaper is prohibited due to the potential for foreign object debris (FOD) control issues.

Proprietary and Standard parts such as washers, cotter pins, small nuts, bolts, screws, and bleed nipples etc may be securely packed in a single bag of manageable quantity.

Stamped and Pressed Parts unless specified, shall be packaged with material that will prevent damage, and when suitably protected they may be packed together as a batch.

Un-plated machined ferrous parts shall be suitably protected with Tectyl 502, or equivalent oil as specified in MDOI-039 and wrapped in non-absorbent packaging.

All deliveries of seals are to be packed strictly in accordance with British Standard Aerospace series F68 & F69.

Multiple batches despatched in the same box/bulk packaging must be clearly segregated. The information on each package must correlate to the release documentation supplied.

16. Supplier Inspection

Sampling Plan

Inspection must be conducted to ensure that all parts are 100% verified for conformance to drawings and specifications, if the supplier has exceeded AP Filtrations 95% DPPM. If the supplier has not exceeded AP Filtrations 95% DPPM, then Inspect a sample of the batch per BS6001 (ISO2859) as indicated below:

Batch Size	Sample
2-8	2
9-15	3
16-25	5
26-50	8
51-90	13
91-150	20
151-280	32
281-500	50
501-1200	80

All inspection functions listed on manufacturing documents shall be cleared by use of inspection stamps and not by signature alone. A record of issue and withdrawal of company stamp holders (register) shall be maintained.

Visual Inspection - Lighting

Standard visual inspection requires the working area to be to a minimum 800 Lux, clean and with all the necessary equipment required.

17. Supplier Control of Non-Conforming Product

The supplier shall ensure that any internal product or service, sub-contract, sub-tier, supplier nonconforming shall be identified, controlled, segregated, and inhibited from use or delivery to AP Filtration.

The supplier shall conduct an immediate containment action, followed up by a root cause analysis and corrective action for all occurrences in accordance with their procedures, or where AP Filtration has raised a Non-conformance, this investigation shall be in accordance with the AP Filtration issued non-conformance report.

Responses shall be comprehensive and robust to inhibit the same or similar issues re-occurring in future.

Any Non-conformances raised against Product and not addressed within a timely manner, will be escalated within AP Filtration, and may result in the suppliers account being put on hold by AP Filtration until the Non-conformance has been addressed, they may also be reported to a regulatory authority, OASIS and/or AP Filtration end Customer.

Reworked or Replacement Material

When returning previously rejected material to AP Filtration, the supplier shall reference the Material Rejection Record (MRR) number on all shipping document(s), and shall state if the items have been replaced or reworked.

Scrap Material
Product dispositioned as scrap shall be permanently marked, in a manner that makes it clear and obvious the part or product is scrap. The part or product shall be rendered unusable where practical and shall be controlled until physically disposed of.

Notice of Escaped Defects
When the supplier identifies or becomes aware of a suspect part/product or service that has escaped from the supplier's facility to AP Filtration (or designated drop point), the supplier shall notify AP Filtration within 72 hours. The Notification shall be in writing, addressed to AP Filtration, on the supplier's own letterhead.

Mandatory occurrence reporting.
legislation requires that the Civil Aviation Authority (CAA) be advised of any incident, defect, or malfunction of a hazardous, or potentially hazardous, nature and which, if not corrected, endangers, or could endanger, the aircraft, its occupants, or any other person or property.

Such occurrences are to be notified to the CAA within 72 hours of discovery.

To facilitate AP Filtration notification to the CAA suppliers shall fulfil the following requirement:

- **Contact**
  The suppliers' quality manager shall immediately inform AP filtration Quality or Engineering by telephone and email, giving all relevant information, so that action can be taken in the following scenarios:
- **Component manufacture**
  The supplier notes an occurrence or defect in an item prior to supply to AP filtration, and it is believed items containing similar defects may have previously been supplied to AP filtration.

Supplier Non-Conformance Approval Request (concession request)
Requests for any deviations from drawings, specifications, or other purchase order requirements must be documented and submitted to AP Filtration, Prior to any delivery. Material shipped on an approved deviation must reference an approved AP Filtration documentation reference number on all relevant paperwork supplied to AP Filtration.

Component Repair
Under NO circumstances shall a Supplier or a Supplier's Sub-tier perform any repair procedures/operations without specific written authorisation and an approved repair procedure from AP Filtration.

18. Foreign Object Damage (FOD) / Foreign Object Debris (FOd) Control

The supplier shall maintain a FOD/FOd (Foreign Object Damage/Debris) control program assuring work is accomplished in a manner preventing foreign objects or material from entering and remaining in deliverable items.

Maintenance of the work area and control of tools, parts, and material shall preclude the risk of FOD/FOd incidents. AP Filtration shall have the right to perform inspection and/or audits as a method of verification that the supplier's FOD/FOd control program is functional, documented, and effective.

19. Welding/Brazing Requirements

All welding/brazing shall conform to the criteria established in the specification, or workmanship standard noted on the applicable drawing or AP Filtration Purchase Order.

If requested certification to the specification shall be provided within 72 hours, along with any relevant approvals.

20. COT's Parts, COT's Assemblies and Proprietary products

AP filtration defines standard components as off the shelf parts and materials to be those items that AP Filtration has no design or production process control of special characteristics requirements, this includes Filtration media. Normally these parts and materials are purchased using the supplier catalogue number. COTs parts and materials are purchased through distribution suppliers.

An AP filtration drawing number or specification is deemed a special characteristic.

Traceability to the original manufacture must be maintained.

All standard parts ordered by the recognised International, National or common part number shall be supplied strictly in accordance with the recognised specification.

Proprietary products.

Should the manufacturer of a proprietary product supplied to AP Filtration wish to change a design or performance specification, the proposed change must be submitted to AP Filtration for an engineering assessment, and approval for its continued use.

When requested by AP Filtration, the manufacturer shall make available results of in-house testing.

Controlled Proprietary parts.

Controlled proprietary items must be designed and manufactured in accordance with AP Filtration design procurement specification in all respects. Changes can only be made through formal agreement with AP Filtration.

21. Shelf-Life Control

Unless otherwise specified on the Purchase Order, all shelf-life materials shall be delivered to AP Filtration with a minimum of 80% shelf life remaining. The date of manufacture and expiration dates are required to be on the certification and the packaging. Any deviation from this requirement is to be submitted to AP Filtration prior to shipment to allow AP Filtration to decline or agree a lower shelf-life period.

22. Test Reports and Certifications

Physical and Chemical

Each shipment must be accompanied by a physical/chemical test report as required by the applicable material specification. The report must contain the signature and title of the authorised representative of the facility performing the tests and shall assure specification conformance.

Functional Test Certifications

Each shipment must be accompanied by a legible and reproducible copy of the supplier's certification, identifiable with submitted material for which test reports are on file and available for examination. This certificate must contain the signature of the authorised representative and assure conformance to specified requirements.

Actual tests results are required.

Test Certificate of Conformance is required.

Heat-Treatment

Each shipment shall be accompanied by a legible and reproducible copy of the detailed heat treatment cycle used. Details to include drawing requirement, specification, date, time and temperature and quench method as applicable.

Inspection reports must accompany the heat treat report. The report must contain the signature and title of the authorised representative of the agency performing the tests and inspections.

Mill Certification
Assigned serial numbers must be consecutive within a mill heat.

- All items covered by this Purchase Order must be from the same mill heat
- Actual mills certification required

23. Raw material suppliers (Forgings, Castings & Bar stock)

Forgings and castings are to be supplied in the fully heat-treated condition unless otherwise specified by the drawing, material specification or purchase order requirements.

Where the drawing does **not** specify test bars, these shall be supplied in the 'as forged' condition for each material cast number. This is to comply with the requirements of KLA839 (Available on AP Filtration supplier portal) for heat treatment control.

For forgings and castings, a copy of the supplier's release documentation (In accordance with SQAP2 Para. 10.2) must be forwarded to AP Filtration material control for accounting and logistical reasons. Failure to meet with this requirement will result in delays in payment to your account.

Forgings and castings will be supplied on a free issue basis. No scrap allowance is to be recovered against a purchase order and you may only issue the quantity of forgings/castings shown on the purchase order. Any surplus forgings/castings delivered to you must be held in stock at your premises pending further purchase orders.

The repair of forgings and castings by welding is not acceptable. Repairs may only be carried out after approval by AP Filtration, and in specific cases, the customer.

Non-destructive testing (NDT)
Radiographic, Fluorescent or Magnetic Penetrant Inspection and Ultrasonic facilities shall be approved to the relevant NDT International Standard.

Where the forging or casting drawing states a radiological category (Class 1, Class A, RA, RB or RC) non-destructive testing by radiography (X-ray) is mandatory.

A person certified to NAS410 Level 3 in the appropriate technique, shall approve that technique.

NDT is to be performed when specified on the Purchase Order/drawing. A legible and reproducible copy of actual non-destructive test results identifiable with acceptance requirements and material submitted shall accompany each shipment. These reports must contain the signature and title of the authorised representative of the agency performing the inspection and must assure conformance to specified requirements.

Parts that have been accepted using FPI or MPI shall be marked per the applicable non-destructive test specification if required. Radiographic inspection of castings shall be performed after heat-treat operations to identify flaws that could induce weakness and compromise integrity.

Where an NDT note does not appear on the drawing, parts made from steels having an Ultimate Tensile Strength (UTS) greater than 775 MPa (50 tons/in^2) shall be non-destructively examined to a technique approved by a person certified to NAS410 Level 3 and based upon the requirements of KLA834 and/or KLA881.

Where an NDT note does not appear on the drawing, parts made from non-ferrous material shall be non-destructively examined to a technique approved by a person certified to NAS410 Level 3 and based upon the requirements of KLA881.

Unless specified on the drawing NDT conditions as in paras 1.2 & 1.3 do not apply to AP Filtration Pressed Parts.

Bar Stock

Bar stock shall be supplied in strict accordance with the specification and condition as described on the purchase order. Suppliers shall be EN/AS/SJAC9120 registered unless agreed in writing by AP Filtration.

Bar stock delivered into AP Filtration, or its suppliers shall be accompanied by the following documentation:

- Suppliers Certificate of Conformity
- Mill of origin & intermediary suppliers Certificates of Conformity if applicable
- Cast, melt and/or batch numbers
- Test certificate and results
- The condition of the material as supplied
- Details of concessions if applicable

24. Electrostatic Discharge Machining

Electro Discharge Machining & EDM is not permitted unless specified on the drawing.

25. Manufacturing Equipment

All manufacturing equipment belonging to AP Filtration must be permanently identified with a unique number. Additionally, a record for condition, tool life status including the quantity of parts produced from the tool where applicable, must be maintained and updated.

26. Counterfeit Part Prevention

For this section, work consists of those parts delivered under contract that are the lowest level of separately identifiable items (e.g., articles, components, goods, and assemblies).

“Counterfeit Work” means work that is or contains items misrepresented as having been designed and/or produced under an approved system or other acceptable method. The term also includes approved work that has reached a design life limit or has been damaged beyond repair but is altered and misrepresented as acceptable.

Suppliers must ensure that Counterfeit Work is not delivered to AP Filtration.

Suppliers shall only purchase products to be delivered or incorporated as work to AP Filtration directly from the Original Component Manufacturer (OCM) / Original Equipment Manufacturer (OEM), or through an OCM / OEM authorised distributor chain. Work shall not be acquired from independent distributors or brokers unless approved in advance in writing by AP Filtration team.

Suppliers shall immediately notify AP Filtration with the pertinent facts if they become aware or suspect that they have furnished Counterfeit Work. When requested by AP Filtration, the supplier shall provide OCM / OEM documentation that authenticates traceability of the affected items to the applicable OCM / OEM.

If work delivered under contract constitutes or includes Counterfeit Work, the supplier shall, at its expense, promptly replace such Counterfeit Work with genuine work conforming to the requirements of the contract.

The supplier shall be liable for all costs relating to the removal and replacement of Counterfeit Work, including without limitation AP Filtration costs of removing counterfeit work, of reinserting replacement work and of any testing necessitated by the reinstallation of work after Counterfeit Work has been exchanged.

The supplier shall include the requirements of this section or equivalent provisions in lower tier subcontracts for delivery of items that will be included in or furnished as work to AP Filtration. The supplier shall establish and maintain a Counterfeit Parts Prevention program and process to prevent the delivery of counterfeit parts to AP Filtration.

27. Supplier Development

Supplier Development is the process of collaborating with certain suppliers on a one-to-one basis to improve performance (and capabilities) for the benefit of AP Filtration and Supplier also. It can take the form of one-off project or an on-going activity that may take years to come to fruition.

28. Modern Slavery/Ethics

AP Filtration expect each of our suppliers, contractors, and consultants (collectively, "Suppliers") to conduct business fairly, impartially and in an ethical and proper manner. In addition, AP Filtration expect each of our Suppliers to adhere to the principles of our Ethical Conduct Policies concerning compliance with all applicable laws, conducting business fairly and ethically, respecting human rights, conserving the environment, and providing high quality, safe products, and services. Suppliers are expected to cascade these principles to their own suppliers. This may involve the establishment of supply chain management processes that integrate the requirements of this Code of Ethical Conduct.

29. Certificate of Conformance

A legible and reproducible copy of a Certificate of Conformance must accompany each shipment. The certificate shall include the following:

- Supplier Name and Address
- AP Filtration Purchase Order Number, Quantity Shipped, Purchase Order Line number.
- Supplier must state Country of Origin (Where part is Manufactured)
- Country of Origin (COO) is the country of manufacture, production, or growth where an article or product comes from.
- AP Filtration Part Number
- Drawing Revision
- Serial Number (when applicable)
- Manufacturing Plan Revision (when applicable)
- Operation Number (when applicable)
- Signature and title of authorised representative

Processes performed, required by drawing, specification, or purchase order, to include:

- Process
- Specification
- Process Certification Number and own Approved Supplier(s) used for processing (when applicable)
- Sub-Assembly Part Number(s) with latest revision (when applicable)
- Sub-Assembly Process, Specification, Certification Number and AP Filtration Approved Supplier used (when applicable)
- Lot number, if not serialized
- Indication that products were manufactured from materials on which the seller has records of material conformance

The Certificate of Conformance must contain a statement that all inspection and tests have been performed as required by drawing, specification and/or Purchase Order.

The certificate must list each special process that appears on the drawing such as: heat treat, non-destructive examination, and plating or coating, etc.

Perishable products controlled by batch number or cure date and products controlled by heat number will have applicable controlling number on the individual certificate.

Blanket statements of conformance are unacceptable, as are statements of belief rather than fact.

30. Machining, Pressed Parts and Processing sources

Where a Heat Treatment note does not appear on the drawing, the parts shall be delivered in the fully heat-treated condition. If in doubt, seek guidance from AP Filtration.

Where Etch Inspection (KLA836 or equivalent per MDOI-039) is specified on the drawing, parts must be inspected regardless of manufacturing technique.

Where a note does not appear on the drawing, Low alloy steels having an ultimate tensile strength (UTS) of 1200Mpa/174 KSI or greater must be Etch Inspected regardless of manufacturing technique.

All components manufactured from BS S98 steel require Etch Inspection to KLA836 or MDOI-039 equivalent regardless of manufacturing technique.

Part numbers where this does not apply will be in written agreement (Email) between AP Filtration.

A manufactured batch shall be made from a single cast, or, if non-metallic, single batch of material.

Parts that have been modified from one part number to another shall be from a single batch.

The batch number must relate solely to that manufactured batch route card/traveller number.

Material batch numbers are not to be used for identification purposes as more than one batch of the same part number may be produced from a single batch of material. They may then be processed at different times and at different facilities resulting in potential traceability problems.

The batch or serial number on the actual parts shall match that on the Certificate of Conformity.

Important information not quoted on AP Filtration drawings

The following documents are not quoted on AP Filtration drawings but are useful for planners and procurers of material and processes and are available on the AP Filtration supplier portal.

- MDOI-006: Approved alternative materials.
- MDOI-039: Equivalent process specification, process materials and consumable assembly materials.
- KLA1051: Allowances for surface treatments.

All components, sub-assemblies and assemblies must be identified in accordance with the drawing requirements. Where AP Filtration holds intellectual property and vibro-etch is specified on the drawing, this must be performed to the requirements of KLA861.

The procedure for part marking is described in KLA861, unless otherwise stated on the drawing.

Customer specific project part identification and marking methods are described in project specific procedures and quality plans

Serialised parts.
AP Filtration 'Primary identifiable Parts' are to be identified to the requirements of KLA861.

Technical control
Processors shall provide technical data sheets for the control of processes. Changes to data sheets after first article inspection report are not permitted without consultation with AP Filtration.

Processors for all types of anodising will identify the jigging to be used including the contact point areas for the specific part being processed. This information will be recorded on the data sheet. The jigging must be evaluated so as not to cause any deformation to the component or leave any burn marks. Where contact areas are not identified on the drawing, the processor must be confident the proposed area is acceptable to the customer.

The use of brighteners in any specification of cadmium plating is not permitted.

31. Seals and rubber goods

Rubber products used in assemblies shall meet the age requirements of BS 3F 69 and BS 4F 68. In addition, all assemblies shall be marked with the cure date of the oldest rubber part in the assembly, as well as the date of assembly. Marking may be accomplished by decal, rubber stamp, or bag and tag.

Each package of rubber components shall be marked with date of cure part number, Purchase Order number, quantity, compound number, and manufacturer's identification (if different than part number). Date of cure on "O" rings shipped to AP Filtration shall be defined on the suppliers CofC, normally within eight quarters and shall not exceed 10% of the shelf life from date of manufacture/cure to ship date and acceptance at AP Filtration.

Suppliers Certificate of Conformity which must include in addition to section 29:

- AP Filtration Limited part number
- Batch/lot number
- Cure date
- Life group (A, B or X)
- Material specification

All life limited seals and rubber goods shall have a minimum of 80% life remaining unless otherwise stated upon receipt at AP Filtration. Exceptions where specific agreement has been given will be in writing.

All deliveries of seals are to be packed strictly in accordance with British Standard Aerospace series F68 & F69.

32. SQAP Compliance or Deviation

Appendix A must be completed by the supplier, then signed and returned to AP Filtration. If a supplier cannot meet these requirements, they must follow the deviation process below.

Deviations from the SQAP can be requested by the supplier completing Appendix A and submitting this to AP Filtration for review and approval.

A SQAP deviation can be pre-approved (Appendix A) by the AP Filtration Accountable Manager, and our approved supplier list can be updated to reflect this.

Appendix A

Section	Item	Supplier Procedure	Comply Yes /No	Notes
1	Contact Details	N/A	N/A	
2	Quality Certifications			
3	Business Contingency Plan			
4	Right of Facility Access			
5	Source Inspection			
6	Design Data			
7	Customer Notification of Management or Business Change			
8	Contract Review (RFQ) / Purchase Order Review			
9	Flow Down of Requirements			
10	First Article Inspection (FAI) / AS 13100 requirements			
11	Record Retention			
12	Reportable Substances (REACH)			
13	Conflict Minerals			
14	Identification and Traceability			
15	Handling, Packaging and Preservation			
16	Supplier Inspection			
17	Supplier Control of Non-Conforming Product			
18	Foreign Object Damage (FOD) / Foreign Object Debris (FOd) Control			
19	Welding/Brazing Requirements			
20	COTs and Cots Assemblies and Proprietary products			
21	Shelf-Life Control			
22	Test Reports and Certifications			
23	Raw material suppliers. (Forgings, Castings & Bar stock)			
24	Electrostatic Discharge Machining			
25	Manufacturing Equipment			
26	Counterfeit Part Prevention			
27	Supplier Development			
28	Modern Slavery/Ethics			
29	Certificate of Conformance			
30	Machining, Pressed Parts and Processing sources			
31	Seals & rubber goods			
32	SQAP compliance or Deviation			

Suppliers to AP Filtration are required to comply with the following AP Filtration Customer requirements in addition to the above:

*Delete as applicable for each supplier**

Appendix B – Rolls Royce SABRe – Supplier Management System Requirements.*

Appendix C - Boeing D6-82479 – Boeing Quality Management System Requirements for Suppliers.*

I confirm on behalf of _____ that all elements of the above checklist are correct.

Signature _____ Position: _____ Date: _____

AP Filtration confirms acceptance of the *compliance /deviations above to our SQAP.

Signature _____ Position: _____ Date: _____

* Delete applicable statement.

AP Filtration to return completed Appendix to the Supplier if deviations are approved.

Appendix B

Rolls Royce SABRe 4 Additional Requirements:

7.1.3 – Infrastructure:

Suppliers Shall:

a) Identify key process equipment and provide resources and capacity for machine / equipment and tooling maintenance. Develop and execute an effective maintenance system.

7.1.5 – Monitoring and Measuring Resources:

Supplier Shall:

a) Ensure that automated measurement system inspection programmes are independently verified and programmers are independent to those who create production programmes. Programmes shall be independent, equipment does not need to be.

b) Ensure instructions given to operators and inspectors use the same units of measurement as used on the process and inspection equipment. If conversion of measurement units is required it shall be done by the Suppliers Technical Authority and formally issued.

8.4.1 - General:

Suppliers Shall:

a) Only purchase products and services from sources holding Rolls-Royce and / or Third Party approval appropriate to their type and level of supply as stipulated in Table 1 and 2 within 4.3. If the supplier holds delegated sub-tier management and approval from Rolls-Royce, all requirements still apply but in control of the supplier.

b) Only purchase electronic components for RRCS Solihull as defined by the RRCS drawings and the definition as per the RRCS Approved Component Database (ACD). Any component substitution is not allowed.

c) Demonstrate through documented evidence that subcontractors / sub-tier Suppliers (including any Direct Buy Vendor) engaged in the manufacture or design of product are being managed to Rolls-Royce requirements.

Appendix C

Boeing D6-82479 – Boeing Quality Management System Additional Requirements:

2.10 - Boeing recognition of Supplier's AQMS certification does not affect the right of Boeing to conduct audits and issue findings at the Supplier's facility. Boeing reserves the right to provide Boeing-identified quality system findings, associated quality system date, and quality performance data to the Supplier's CB.

3.8 - The Seller must retain documented information that provides evidence of monitoring and measurement equipment calibration. The retained documented information must include the required calibration register elements defined within the AQMS standard (see 7.1.5.2) and the results of calibration.