

AIRBUS

AHI/AHCA SUPPLIER QUALITY REQUIREMENTS (Addendum to AH ER070 06-01)



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1. PURPOSE/SCOPE

The purpose of this document is to define some local specific requirements for suppliers to Airbus Helicopters Inc. (AHI) Airbus Helicopters Canada (AHCA). AHI/AHCA must ensure that all suppliers used are capable of supplying products and services safe for operation and to the customer. AHI/AHCA must also ensure that the suppliers design, produce, deliver and maintain products in compliance with the design data, in a condition for safe operation and that all products/services are delivered with the required documentation.

This document is set up as an Addendum to AH ER070 06-01 "General Requirements for Suppliers" and is applicable to all suppliers who provide aeronautical products/services. ER070 06-01 should be applied in its latest revision provided.

The supplier shall ensure that both ER070 06-01 "General Requirements for Suppliers" and the complementary AHI/AHCA requirements stated herein are analyzed, fulfilled, and flow down internally and to its sub-tier suppliers as relevant.

Compliance to AH ER070 06-01 and to this Document is a pre-requisite for approval as a supplier of AHI/AHCA for any scope of aeronautical supply or service.

Note: some requirements are only applicable for new contracts or development contract and cannot be generally applied to legacy supply items. Such paragraphs are identified by (*) within this document.

2. RESPONSIBILITY / APPLICATION

2-1 Right of Access:

The supplier shall grant AHI/AHCA, its customers and aviation authorities the access to the facilities where production, maintenance or servicing activities are performed. This right of access is applicable to all sub-tier suppliers and should be flowed down to them formally and acknowledged. The supplier shall assist in the performance of any required surveillance, audits, assessments or investigations. AHI/AHCA will respect the confidentiality of proprietary information and comply with all safety and export rules during this surveillance.

2-2 Flow down and fulfilment of the Purchaser requirements

Refer to AH ER070 06-01, chap. 2, Req. Core-2-01.

For AHI/AHCA, the Supplier shall ensure that the Purchaser Requirements (ER070 06-01 and QA/06-02 F04 latest revision, are included) are analyzed and flown down internally and to its Sub-tier suppliers as relevant.

3. ABBREVIATIONS / DOCUMENT STRUCTURE

3-1 Abbreviations:

AH	Airbus Helicopters
AHCA	Airbus Helicopters Canada
AHI	Airbus Helicopters, Inc. (USA)
APQP	Advanced Product Quality Planning
BtP	Built to Print
BtS	Built to Specifications
CFR	Code of Federal Regulations
Chap.	Chapter
CofC	Certificate of Conformity
DCMA	Defense Contract Management Agency
ECPF	Equipment Change Proposal Form
ETS	Equipment Test Specification
FAA	Federal Aviation Administration
FAI	First Article Inspection
ITAR	International Traffic in Arms Regulations
MRB	Material Review Board
N/A	Not Applicable
NAA	National Aviation Authorities
NC	Non-Conformity
OASIS	Online Aerospace Supplier Information System
ODA	Organization Designation Authorization
PAH	Production Approval Holder
PMA	Parts Manufacturer Approval (FAA)
PoC	Point of Contact
PPAP	Production Part Approval Process
Pri-NADCAP	Performance Review Institute / National Aerospace & Defense Contractors Accreditation Program (SAE)
QAP	Quality Assurance Plan
SED	Supplier Evaluation and Development
SQIP	Supplier Quality Improvement Program
SCQM	Supply Chain Quality Manager
STC	Supplemental Type Certificate
Subs.	Airbus Helicopters subsidiary companies (for products under Airbus Helicopters DOA, POA or MOA)
TCCA	Transport Canada Civil Aviation

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3-2 Document structure

The requirements listed in below tables of the present document are structured to follow the paragraphs and content of the AS9100 series requirements or applicable equivalents, i.e. EN/JISQ 9100/9110/9120. AS9100 will be used throughout this document to indicate the applicable standard. All requirements stated in this document should be considered as **additional or complementary** to those stated in the applicable AS9100 series document. The listed requirements per Annex 1 and 2 follow the document structure of ER070 06-01, latest revision.

Note: In case of conflict between this document and the requirements found in AH ER070 06-01, the applicable contractual agreement should prevail.

Annex 1: LIST OF SPECIFIC REQUIREMENTS APPLICABLE TO AHI

(Annex of AH ER070 06-01, latest revision)

Core Requirements – All kind of suppliers

MAIN CHAP./TITLE	SUB. CHAP./TITLE		AHI REQUIREMENTS
	3.4 Supplier Classification	3.4.3 Design and Build supplier	<p>Design & Airworthiness Subcontracting (*): Any subcontracting development activities (authoring of drawings, testing or certification activities, software development...) concerning the design of AHI products, must meet the contractual arrangement agreed prior to acceptance of expected deliverables. The contractual frame can include a formal coordination of the design activities by both parties.</p>
	3.6 Design versus Airworthiness Regulation		<p>As the holder of multiple STC's, AHI is responsible for the design of articles and any changes thereto. Suppliers conducting design activity on behalf of AHI may be the "Design Owner" but remain considered as "Design Subcontractors" by the FAA and other authorities. All manufacturers holding a Design Approval (TC, STC, TSO and PMA) shall provide their design data as contractually defined to AHI.</p>
4. CONTEXT OF THE ORGANIZATION	4.4 Quality Management Systems and its Processes	Req. Core-4.4-07	<p>PMA Assist Process: AHI will follow the guidance found in FAA Order 8120.22 for issuance of PMA assist letters.</p>
		Req. Core-4.4-09	<p>Maintenance Providers: Suppliers performing maintenance on "in service" components must hold a maintenance approval by the competent authority (FAA, EASA, TCCA, etc.), in addition to the required AS9100/9110 approval. In the absence of such NAA approval, the maintenance provider will be required to perform the required maintenance under the direct supervision of AHI. If all features can be inspected upon receipt at AHI, the inspections can take place at AHI's site upon successful completion of the repairs/maintenance.</p> <p>In case of subcontracted operations, with release certification from the subcontractors, coverage of subcontracted services is requested from initial Service Provider. The Supplier is limited to one level of subcontracting for the contracted item; exceptions need AHI approval.</p> <p><u>Note:</u> for Major Overhaul Activity on critical parts/components, Airbus Helicopters approval as authorized Service Center is necessary. In such case, any subcontracting of works must be approved by AHI.</p> <p>Components and accompanying documents have to be delivered according to PO requirements.</p> <p>The service provider has to guarantee that formally Qualified Work force are available at any time at supplier</p>

		Req. Core-4.4-09	<p>Work on 14 CFR Part 135 & 121 Operated Aircraft (and components): According to 14 CFR Part 121, Appendix I and J and 14 CFR Part 135 Subpart A, employees that perform safety sensitive functions (e.g. maintenance or preventive maintenance, directly or by contract including by subcontract at any tier), are subject to drug and alcohol testing Program in accordance with 49 CFR Part 40 and 14 CFR Part 120 and. The testing program will be approved in FAA Operations Specifications paragraph A449. This requirement includes any subcontractors utilized by Suppliers and their subcontractors.</p>
			<p>Direct ship authorization: In cases where suppliers are requested to deliver products directly to AHI's customers, end users or operators, they are required to ensure that all regulatory and contractual requirements are met (e.g. for PMA parts under Airbus Helicopters TC/STC the Direct Ship Authorization is to be specified in the PMA Assist Letter) according to FAA order 8110.42D.</p>
7. SUPPORT	7.2 Competence	Req. Core-7.2-01	<p>Delegated inspection on Build-to-Print Parts: Suppliers may have delegated inspection authority under the AHI PMA. The supplier shall ensure that the AHI PMA Manual is archived and made available to the respective delegated inspectors. According to AHI PMA Manual (Title 14 CFR, § Part 21.137 (h) (k)), delegated inspectors must ensure that:</p> <ul style="list-style-type: none"> • Records related to manufacturing of PMA articles are compliant with PMA holder requirements • Non-conforming materials detected during the inspection process of a PMA article is properly documented and reported to AHI PoC, who shall communicate the appropriate dispositions (scrap, reject, rework,...) and ensure their implementation.
	7.5 Documented Information	Req. Core-7.5-03	<p>Documented information on an AHI contract or purchase order will be provided to the suppliers by the AHI Purchasing or Quality Assurance departments. The supplier must procure, from the various publishers, documents that are protected by US copyright laws (EN, ISO, etc.). Norm and Standards such as EN/ISO/MIL etc. must be procured by the supplier for copyrights reasons.</p>
		Req. Core-7.5-06	<p>Acceptance of purchase orders or contracts by the supplier indicates the acceptance of this and any other documented requirements cited herein. Deviations to the applicable requirements shall be agreed, in writing, by both parties (see example in Annex 3).</p>
		Req. Core-7.5-07	<p>The Supplier shall establish an archiving system for quality-related records. The required records must be archived in a fire-resistant, weather-proof and theft-proof area. The Suppliers record keeping system must ensure a minimum retention period of TEN (10) YEARS for all Purchasing/Quality/Production records. Additional retention requirements, e.g. for critical parts may apply (see ER070 16-01). The archiving system must ensure all records can be made available to AHI at any time, even in the case of a commercial business termination or bankruptcy. Provisions for destruction of restricted records (e.g. ITAR) must be defined in the supplier process instructions.</p>

8. OPERATION	8.5 Production and Service Provision	Req. Core-8.5-03	<p>First article inspection: A First Article Inspection shall be performed and documented according to AS9102 or similar standard. Note: For BtS PPAP is an acceptable alternate, however an AS9102 report will be required.</p> <p>The supplier shall plan and coordinate the FAI per agreed project plan or Purchase Order Request. Acceptance of the Supplier FAI shall be coordinated through the AHI SCQM PoC. Note: Process of approval and distribution media of report shall be coordinated between the Supplier and AHI; however the FAI Results shall be made available, by e-mail, to AHI PoC at least 10 working days prior to the committed shipping date.</p> <p>Shipment with open FAI is not permitted and needs AHI approval in writing, through approval of a temporary derogation (e.g. concession). A physical copy of the FAI report is to be placed to the shipment's parcel per ER150 09-003.</p>
		Req. Core-8.5-12	<p>Marking & identification - general requirement: AHI suppliers shall follow the Marking for PMA articles, TSO articles and Critical parts according to 14 CFR 45.15. Each PMA part should be marked with the letters "FAA-PMA". The manufacturer of a TSO article must permanently and legibly mark with TSO number, letter of designation and the serial number of the article. Critical parts shall be marked permanently and legibly with a part number and a serial number as required by the design data.</p>
		Req. Core-8.5-14	<p>Products delivered included in DO/PO arrangements or under supplier's TSO/ETSO/TC/STC: All articles eligible for issuance of an authorized release certificates (e.g. 8130-3) shall be delivered with such unless otherwise specified or agreed.</p> <p>Note: The Supplier is responsible to issue an 8130-3 per FAA Order 8130.21H and as applicable per Technical Implementation Procedure (TIP) between FAA and EASA. C</p>
		Req. Core-8.5-17	<p>Declaration of Conformity or Certificate of Conformity: It is acceptable for the required information to be included either in the Packing List, Delivery Note or CoC so long as the documents are traceable to one another via a unique identifier per ISO 17050.</p>
9. PERFORMANCE EVALUATION	9.2 Internal Audit	Req. Core-9.2-01	<p>Suppliers with AHI stamps authorization or delegation under the PMA PAH through AHI shall include a surveillance process with the respective requirements in their annual audit program.</p>

10. IMPROVEMENT	10.2 Safety Risk Management	Req. Core-10-2-1 Aviation Safety Risk management	For all the incidents detected by the Supplier after the products delivery, the Supplier shall inform AHI quality focal points and operational procurement as well as other customers, within 48 hours.
		Req. Core-10-2-1 Aviation Safety Risk management	<p>Accident reporting: All suppliers directly linked with AHI operations belong to the risk analysis responsibilities of AHI. Any safety violation found at supplier's location shall be notified to AHI. For instance, if a supplier providing aircraft maintenance, completion or manufacturing services directly linked with AHI operations, registers in its facility any safety violation resulting in death of personnel, this safety issue must be reported to AHI. The notification can be sent via email to report.supplierescape.ahi@airbus.com</p>
	10.3 Nonconformity and Corrective Action	Req. Core-10.2-03a Req. Core-10.2-03b	<p>For all Material under AHI PO: For nonconformities that cannot be reworked, AHI SCQM must be informed. Note: Shipment with open non-conformities is not permitted unless otherwise approved in writing by AHI.</p> <p>When the nonconformity is on Built-to-Print part or on raw material or on standard part, the supplier shall submit a SRFD (Supplier Request for Deviation) per F-COM-17-037. The notification shall be submitted to report.nc.ahi@airbus.com.</p> <p>When the nonconformity is on BtS material, the supplier shall provide a request for concession using form F070 001. The notification shall be sent to report.nc.ahi@airbus.com.</p>



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		<p>Req. Core-10.2-05 Req. Core-10.2-06 Req. Core-10.2-07 Req. Core-10.2-08</p>	<p>Notice of Escape or Disclosure: According to 14 CFR Part 21.3, if a Supplier or sub-tier Supplier delivers a “safety-of-flight” issue on a product, they must disclose to AHI within 24 hours of detection. Suppliers must inform AHI of the result of any tests performed as well as Corrective Actions taken and a completion date. Suppliers must updated AHI on the progress of the Corrective Actions upon AHI request. When the Supplier identifies or becomes aware of a suspect product/service that has escaped from the Supplier’s facility, the Supplier shall notify AHI within (5) working days. The Notification shall be in writing, addressed to AHI, on the Supplier’s own letterhead. The notification shall, at a minimum, contain the following information: (a) Supplier Name (b) AH Supplier Code number (if applicable) (c) Description of the defect (d) Affected part number(s) (e) P.O. number(s) (f) Quantities and Dates delivered (g) Date of Manufacture (h) Traceability information (serial number, heat lot number, batch number, etc. (i) Attachment of test/inspection data. (j) Information regarding rejection and containment (k) Root cause and corrective action or completion date for submittal. AHI may require additional detailed information to support internal investigations and/or customer requests. Notifications of escape shall be sent via e-mail to: report.supplierescape.ahi@airbus.com</p>
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Annex 2: ADDITIONAL REQUIREMENTS APPLICABLE TO AHI
(Annex of AH ER070 06-01, latest revision)

MAIN CHAP./TITLE	SUB. CHAP./TITLE	AHI REQUIREMENTS
APPENDIX A: ADDITIONAL QUALITY REQUIREMENTS FOR (EQUIPMENT) MANUFACTURERS	8.3 Design and development of Products and Services	<p>Design and Development Changes:</p> <p>Design Change or MRB Authorization can only be granted by the respective Supplemental Type / Type Design Holder Organization.</p> <p><u>Management of design changes through AHI:</u></p> <ul style="list-style-type: none"> • When design changes are initiated by a supplier on articles procured by AHI: <ul style="list-style-type: none"> A. Information is necessary in case of TSO articles and supplier STC B. Approval is necessary for all other cases • Supplier shall submit the ECPF Form F020 207 to AHI for approval prior implementation of the change • Specific rules for design changes shall be agreed between the supplier and AHI • In serial production phase any requested technical change to this equipment shall be instructed through the Equipment Change Proposal Form (ECPF) • ECPF form filled by suppliers shall be emailed to: support.ecpf.ahi@airbus.com <p>Where approval is necessary, implementation of change requires AHI concurrence</p>
APPENDIX B: ADDITIONAL QUALITY REQUIREMENTS FOR BUILD-TO-PRINT AND EXTENDED WORKBENCHES	8.4.2 Type and extent of control	<p>These requirements are for Suppliers working under the responsibility of AHI and that have documentation (e.g. technical documents, production plans and inspection instructions) approved by AH or AHI as TC or STC holder that may manufacture, overhaul or repair devices, components, sub-assemblies or parts not approved by a civil authority. The manufactured products or the tests/services performed (with provided production plans) can only receive airworthiness approval from AHI. If features can be inspected after delivery to AHI, the inspections can take place at AHI's site upon successful completion of the First Article Inspection (FAI).</p>
	8.5.1.2 Validation and control of special processes	<p>All suppliers of Special Processes must be NADCAP approved. Exceptions must be approved by AHI SCQM.</p>

ADDITIONAL REQUIREMENTS FOR SUPPLIERS OF STC KITS	4.4 Quality Management System and its Processes	<p>STC Kit suppliers for the AHI Production Certificate shall sign a License Agreement with AHI to allow STC data to be integrated in the PAH process.</p> <p>STC Suppliers to AHI Mississippi Production Certificate Final Assembly Lines must provide to AHI a License Agreement allowing adding the supplier on AHI Production Limitation Record to install the delivered items in AHI production.</p>
	8.5.4 Delivery Documentation	<p>In addition to the document listed in the core section of this procedure, the supplier shall also deliver the following documents with every STC Kits:</p> <ul style="list-style-type: none"> ● Approved installation data including Master Drawing List and data for continued airworthiness ● STC package including Permission for Installation (if delivered under the Repair Station)
	8.5.5 Post Delivery Activities	<p>If an STC holder is required to make notification of failures, malfunctions or defects to the FAA in accordance with Title 14 CFR Part 21.3, they must also notify AHI within 48 hours. Note: This only applies if the affected parts/kits have been delivered to AHI.</p> <p>Prior to the issuance of Service Bulletins related to products installed on Airbus Helicopters aircraft, the STC holder shall provide AHI with the proposed bulletin for review.</p>
ADDITIONAL REQUIREMENTS FOR AIRCRAFT COMPLETION SUPPLIERS	4.4 Quality Management System and its Processes	<p>The Supplier shall have and maintain a Quality Management System (QMS) compliant with IAQG (EN/AS/JISQ) 9110.</p>
	8.5.1 Control of Production and Service Provision	<p>8.5-1.1 Aircraft Completion Aircraft completions by Suppliers shall be defined through a contractual frame or the purchase order. Suppliers are responsible for return-to-service of the completed aircraft in accordance with 14 CFR 43.9 as applicable. FAA Airworthiness Directives and mandatory Service Bulletins must be identified and agreed upon by AHI prior to the return-to-service of the individual aircraft. The Supplier is responsible for compliance to the purchase order and FAA regulation for each alteration performed.</p> <p>8.5.1.2 Validation and Control of Special Processes 8.5.1.2-1 Painting of Aircraft The Supplier shall accomplish the aircraft painting as specified in the AHI Purchase order. Industry standards as well as Airbus Helicopters defined Maintenance Standards must be followed at the paint supplier facility. Compliance to AHI purchase order for proper paint mixture and color scheme by the Supplier is required.</p>



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	8.6 Release of Products and Services	As part of the release to service of the aircraft, the supplier must comply with AHI procedure and fill the applicable Form necessary for approval (e.g. FAA Form 337 or equivalent).
QUALITY ASSURANCE (GENERAL REQUIREMENTS)	8. Operation Req. App. H-8 -6 Req. App. H-8 -7	Foreign Object debris (FOd) prevention: Specific requirements for in-situ suppliers or supplier technical intervention at Airbus Helicopters plant per Req. App. H-8 -6 & Req. App. H-8 -7 do not apply for AHI. Applicable requirements for AHI activities will be discussed and defined between AHI and the supplier prior to start of activities.



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Annex 3: REQUEST FOR DEVIATION TO AHI/AHCA SUPPLIER QUALITY REQUIREMENTS

Request for deviation to Quality Requirements

by:

*SUPPLIER
ADDRESS
CITY, ZIP-CODE, STATE
COUNTRY*

The below table lists the deviation of the requirements and the alternate means of compliance or mitigation plan:

Requirement Identification	Description of Deviation	Reason for Deviation	Alternate Means of Compliance

This request was submitted by:

*SUPPLIER
Representative of Supplier
Signature / Date*

Acceptance:

*AHI/AHCA
Supply Chain Quality Manager
Signature / Date*



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Annex 4: AHCA PURCHASING / QUALITY ASSURANCE REQUIREMENTS

Document **1330.00 (latest version)** referring to **Purchasing and Quality Assurance Requirements** specific to Airbus Helicopters Canada Limited shall be followed anytime AHCA is the Buyer per contractual agreement. AHCA Quality Assurance department has to be contacted in case of questions.