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TITLE : QUALITY ASSURANCE REQUIREMENTS FOR SUPPLIERS							
<p>Summary :</p> <p>This document defines the Quality Assurance requirements to be followed by the Suppliers during the Design and Development, Production Investment, manufacturing, release and in service phase of equipment/Parts in the frame of a NH90 contract.</p>						<p>NHI</p> <p>AW</p> <p>EC</p> <p>ECD</p> <p>FK</p> <p>Doc Focal Points</p>	
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NHI industries

CLASSIFICATION
NATO UNCLASSIFIED

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1 PREAMBLE

This document details the Quality Assurance Requirements which are to be applied to the NH90 Programme in all variants and forms part of procurement specifications placed with respect to this project for Design, Development, Production Investment, Production and In-Service phases.

It is emphasized that the requirements specified in this document are complementary (not alternative) to contractual and applicable statutory and regulatory requirements. Should there be a conflict between the requirements of this document and the contractual, statutory, or regulatory requirements, the latter shall take precedence.

1.1 SUPPLIERS CLASSIFICATION

Depending on the situation, the Suppliers can be:

- Manufacturers responsible, in accordance with a Buyer specification, for development and possibly production and/or overhaul/repair of equipment items or sub-systems, assemblies or subassemblies, or part blanks.
- Subcontractors responsible, in accordance with a Buyer definition file, for the manufacture and/or overhaul/repair of parts or assemblies, and for the manufacturing phases of accessories or tooling.
- Subcontractors responsible, in accordance with a manufacturer definition file, for the overhaul/repair of any products ordered by the Buyer.
- Suppliers: of "off the shelf" equipment and/or standard parts.

2 GENERAL REQUIREMENTS

The suppliers quality assurance system shall fulfil the requirements of:

- AQAP 2110: NATO quality assurance requirements for design, development and production.
- AQAP 2210: NATO Supplementary Software Quality Assurance Requirements to AQAP 2210 when software is to be developed under the contract
 - For already developed software maintenance, the relevant paragraph "maintenance" of the AQAP 2210 will apply.
- The additional requirements of EN9100: Quality management systems Requirements for Aviation, Space and Defense Organizations.

Exceptions

The above standards may be replaced by the below standards in cases where the latter are more appropriate to the nature contract with the supplier.

AQAP 2110 may be replaced by either AQAP 2120 (NATO quality assurance requirements for production), or AQAP 2130 (NATO quality assurance requirements for inspection) as appropriate

EN 9100 may be replaced by either EN9110 "Aerospace series - Quality Management Systems Requirements for Aviation Maintenance Organizations", or PrEN 9120 " Quality Management Systems Requirements for Aviation Space and Defence Distributors" as appropriate.

3 DEFINITIONS & ABBREVIATIONS

3.1 Definitions specific to this document

Buyer	The Company who places the Contract and purchase orders to the Supplier.
Contract	The Contract is the contract between the Buyer and the Supplier.
Customer	Governments, NATO Agencies, or commercial entities procuring NH90 Helicopters or related products and services from NHI Industries.
Definition file	<p>The Definition file is the set of technical documents necessary to identify:</p> <ul style="list-style-type: none"> - the reference of definition of all parts, assemblies, equipment (hardware and software) making up the helicopter, - the reference of test documents participating to the conformity of the helicopter to the definition.
Direct delivery	It is delivery from a Supplier to a Partner Company which is not the Buyer.
Inspection File	<p>The Inspection File is the set of technical documentation which defines the procedures and the processes to be applied and the means to use to check:</p> <ul style="list-style-type: none"> - that the products are in compliance with the Definition File, - that they are carried out in accordance with the instructions given by the Manufacturing File. <p>Note: The Manufacturing File and the Inspection File can be integrated into a single document.</p>
Item	means the Equipment and its Spares, any type of hardware, software, report, data, assistance, service and any other outcomes to be rendered by the Supplier to the Buyer within the Contract and/or Agreement.
Manufacturing File	The Manufacturing File is the set of documents which defines the procedures, the processes and the means necessary for the established production of an Item in compliance with the Definition File.
Off the shelf equipment	Equipment that is ready-made and eligible for installation without specific engineering work or adaptation.
Officially recognised Standards	Those standards established or published by an official body whether having legal personality or not, which are widely recognised by the aerospace industry s constituting good practice.
Product specification	Contractual document stating technical requirements for serial production

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Standard Part	a part where all design, manufacturing, inspection data and marking requirements necessary to demonstrate conformity of that part is in the public domain and published or established as part of officially recognised Standards.		
Supplier	The company on which a Contract/purchase order is placed by the Buyer.		
Approval of a document	Acknowledgement that the content and form of a document conform with contractual requirements.		
Acceptance of a document	Agreement that the received document complies with contractual requirements.		
Review of a document	Document not subjected to approval or acceptance but could be commented upon by the Buyer.		

3.2 Abbreviations

AQAP	Allied Quality Assurance Publication
ATP	Acceptance Test Procedure
ATR	Acceptance Test Report
CoC	Certificate of Conformity
DDP	Declaration of Design and Performance
DRL	Data Requirement List
DVL	Documentation Validity List
GQA	Governmental Quality Assurance
LRU	Line Replaceable Unit
NQAA	National Quality Assurance Authority
ETS	Equipment Test Specification
NQAR	National Quality Assurance Representative
QAP	Quality Assurance Plan
PLC	Packaging Level Code
P/N	Part Number
SLC	Shelf Life Code
SOR	Schedule Of Requirement
SOW	Statement Of Work
SPC	Statistical Process Control
SRU	Shop Replaceable Unit
STTE	Special-to-Type Test Equipment
TBO	Time Between Overhaul

4 DOCUMENTS

- Contract or the order (hereafter referred to as « Contract »)
- Statement of Work (SOW) for "Item" (model) for PI & P phases: SOW S000A0703E01
- Safety class I parts management : QD S000N0822E01 (or other Partner Company equivalent document quoted in the DVL).
- Concessions procedure: QD S000N0805E01
- Log card procedure: QD S000N0812E01
- Anomaly reporting & handling procedure: QD S000N0806E01
- Supplier Production Investment Review: QD S000N0816E01
- Supplier First Article Inspection procedure: QD S000N0815E01
- Specific tools/test means validation procedure: QD S000N0817E01
- Special processes validation procedure: QD S000N0818E01
- Guide for writing equipment test specification: QD S000N0819E01
- Classification and procedure for structural and mechanical parts: QD N000N0804E01

5 INTRODUCTION

This document provides the basic quality requirements, compliance of which is mandatory to Suppliers of Item (hardware and software) for Design and Development, Production Investment, Production and In-Service phases of the NH90.

Any question relevant to the content of this document or any quality aspect shall be addressed to the Buyer, for the attention of quality manager, with a copy to the Buyer purchasing department.

The Supplier shall apply all applicable procedures referenced in paragraph 4 of this document and ensure that the relevant requirements of the Contract and applicable procedures are flown-down at all subcontract levels, as applicable.

For orders of "off the shelf" equipment, low risk equipment/parts , standard parts, and raw materials, the depth of implementing these Quality requirements may be adapted by the Buyer's Quality department.

The Supplier shall inform in advance the Buyer of any new sub-contract(s), change of sub-contractor(s), and change of production plant.

6 SPECIFIC REQUIREMENTS

6.1 General Management

6.1.1 Quality Manual

The Supplier shall submit their Quality Assurance Manual to the Buyer's Quality Assurance Department. This manual shall detail the system by which the enterprise generally ensures the Quality of the products to be supplied.

Any subsequent amendment to the Quality Assurance Manual shall be promptly forwarded to the Buyer Quality Assurance department.

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6.1.2 Programme Management Plan

Manufacturers and sub-contractors shall describe, in a document called "Programme Management Plan", how the enterprise structures and controls product realization in a manner that ensures product will be delivered on time and on quality.

The Programme Management Plan shall address at least the review of requirements (contract review), planning, organisation and interface with the Buyer, risk management, and reporting.

This Programme Management Plan shall be submitted to the Buyer for acceptance.

6.1.3 Quality Assurance Plan

Manufacturers and sub-contractors are required to establish a Quality Assurance Plan which describes how he intends to fulfil all Quality Assurance-requirements. This is to allow an assessment of the Supplier capability to assure a continuous Quality Assurance programme throughout the stages of design, development, manufacturing and after delivery of the items.

For the redaction of the Quality Assurance plan, it is recommended to follow the AQAP 2105 structure.

If a Manufacturer develops and manufactures Software "stand alone " or as part of equipment, he has to prepare and submit a Software Quality Program Plan in addition to the Quality Assurance-plan.

For system development, in case of co-operation in the framework of a consortium, it is required to provide only one Quality Assurance Plan, which has to take into account partners interfaces, per sub-system covered by an overall Quality Assurance Plan applicable to the whole system.

In case of subcontract, these plans must also describe the responsibilities and relationships between the partners for Quality Assurance matters. They shall clearly describe all specific accommodations in regard of the subcontract (acceptance of Subcontractor's products, ...).

The Quality Assurance plan(s) are to be submitted to the Buyer for acceptance.

6.1.4 Configuration Management Plan

Manufacturers shall apply a configuration management process consistent with AQAP 2110 requirements.

The configuration management process shall be described in a Configuration Management Plan which maybe a discrete document or part of another management plan.

The Configuration Management Plan shall be submitted to the Buyer for acceptance

6.1.5 Risk Management Plan

Manufacturers and Subcontractors shall apply a risk management process consistent with AQAP 2110 requirements.

The risk management process shall be described in a Risk Management Plan which maybe a discrete document or part of another management plan.

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This Risk Management Plan shall be submitted to the Buyer for acceptance.

6.1.6 Right of access to Supplier

The Supplier shall permit access, at all reasonable times to premises where work under the contract is being performed, including the premises of sub-suppliers.

The Buyer shall be granted the unrestricted right to check / audit the compliance to the contractual requirements and the capability and the efficiency of the Supplier quality management system.

The Buyer reserves the right to send a representative of his Quality Assurance department for a permanent or prolonged stay at the Supplier facilities. The Supplier will be required to provide adequate accommodation from which the representative can conduct his business.

The Supplier shall clearly identify to such representatives any information of a proprietary nature which is made available. Such representatives shall then be liable to the Supplier for the unauthorised disclosure of such information.

Buyer shall respect Supplier health and safety and security rules and regulations whilst at supplier premises.

When inspection and tests are performed or witnessed at the premises by representatives of the Buyer, then the Supplier must make available for use by such representatives all personnel, documentation, instrumentation, gauges and test media which may be necessary. Inspections carried out by such representatives, however, shall not relieve the Supplier of his contractual obligations. The Supplier will be notified when and at which point any inspection of the supplies before delivery will be performed. These arrangements will be made to avoid delay in the Supplier's delivery schedules and programme, and in this connection Supplier is required to advise the Buyer's Quality Assurance in advance of "key points".

6.2 Design and Development

6.2.1 Design reviews

Manufacturers shall perform Design Reviews throughout the product's development phase. These reviews shall be considered as steps of the development process of the items. (HW/SW).

At least, three reviews will be performed:

- a Preliminary Design Review (PDR) during the beginning of the development of the product after completion of the general design and concept testing,
- a Critical Design Review (CDR) when detail design is essentially complete, at least before qualification tests,
- a Qualification Review (QR) at the end of the qualification process.

These Reviews shall be organised according to requirements stated in the SOW. The Quality Assurance of the Supplier shall monitor the preparation process by approving the Review Readiness Report and the Review Notification. Quality Assurance shall be member of the Review Committee. Quality Assurance activities shall be presented during the Review. Quality Assurance shall witness the Review Summary Report and Review Completion Notice in order to assess of the completion of the Review.

This normal procedure could be modified with the Buyer agreement.

6.2.2 Declaration of Design and Performance

Whatever the qualification status an up-to-date Declaration of Design and Performance (DDP), taking into account the Product Requirement Specification, shall be available at the delivery and after any modification of the item.

Any Buyer acceptance of the supplier declaration and / or acceptance of design non-conformities shall be made on a separate record. (separate sheet, minutes of design review meetings,)

A suitable format for a Declaration of Design and Performance's is given in annexe 1, suppliers own formats could be used subject to prior agreement with the Buyer

6.3 Purchasing

The supplier purchasing process shall fulfil the requirements of AQAP 2110 and the supplementary requirements of EN9100.

The Supplier shall flow down the applicable requirements in this document to sub-suppliers.

The Supplier shall insert the following in all purchasing documents: **"All requirements of this contract may be subject to GQA. You will be notified of any GQA activity to be performed."**
 With the agreement of Local NQAR this rule could be waived for the procurement of standard raw materials, standard parts, consumable materials or other simple purchasing not involving risk.

6.4 Production

6.4.1 Production Investment Review

When required by SOW a production investment review shall be held according to the document "Supplier Production Investment Review": QD S000N0816E01. The target of the production investment review is to ensure that all tooling, methods, processes, Inspection and Manufacturing Files are available and accepted before starting the first item manufacturing.

6.4.1.1 Specific tools/means validation

All specific tools and means, including interchangeability tools, shall be validated.
 The validation process shall demonstrate the compliance of the specific tools and means used for the series production Items.
 After the successful completion of the process, the validation shall be pronounced by Quality Assurance.

The validation of specific tools/means is detailed in the document "Specific tools/means validation procedure": QD S000N0817E01.
 Final validation of specific tools may require a demonstration of interchangeability, when this is the case MD S000N3458E01: Interchangeability Demonstration Process shall be applied.

The Supplier shall deliver to the Buyer the list of tools and/or test means developed, manufactured or purchased for specific NH90 purposes.

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6.4.1.2 Special processes validation procedure

If the Supplier has to use special processes (i.e. processes for which inspection performed afterwards does not sufficiently guarantee the conformity of the result of implementing the process), he shall keep records of the validation of special processes. These records shall be made available to the Buyer.

The validation of special processes shall be carried out in accordance with the document "Special processes validation procedure": QD S000N0818E01.

6.4.1.3 Manufacturing and Inspection Files

The Supplier shall describe in the Quality Assurance Plan the contents of the Manufacturing and Inspection Files and the control rules.

A Manufacturing route, Inspection and Test Plan, describing the overall process (block diagram,...), shall be provided to the Buyer.

In the case that all established quality control activities are not sufficient to guaranty the conformity of the Item, the Supplier shall set up a surveillance of manufacturing process and related means.

The Inspection and Test Plan shall include periodic (calendar or number of Items) complete verification to verify to keep under control the constancy of the quality level during the whole production phase.

6.4.1.3.1 Requirements due to classification of structural and mechanical parts.

Items whose design is classified* as critical with regard to safety aspects are manufactured according to "frozen" parameters:

- any change of these "frozen" parameters shall be submitted to design and quality departments for formal approval. Necessary additional substantiations shall be assessed.

Manufacturing/Inspection sheets shall be properly archived for traceability purpose during the period of the life cycle of the aircraft.

The management of the "Safety Class I parts" shall be performed in accordance with the document "Safety Class I parts management": QD S000N0822E01 (or other Partner Company equivalent document quoted in the DVL).

The list of "Safety Class I" parts and "Safety Class I" parts files shall be provided to the Buyer.

* According to the document "Classification and procedure for structural and mechanical parts" QD N000N0804E01.

6.4.2 First Article Inspection

A First Article Inspection (FAI) of the first series Item acceptance shall be performed according to the document "Supplier First Article Inspection procedure": QD S000N0815E01.

The First Article Inspection includes a Physical Configuration Audit (PCA) and shall verify that the manufacturing and inspection files have been developed in compliance with definition file.

6.4.3 Configuration Control

Suppliers shall implement processes to ensure that:

- only the correct issues of the documents and data belonging to the definition file (e.g., drawings, material specifications, dimensional data, processes, surface treatments, shipping conditions, quality requirements, directives/service bulletins, etc.) are available, and used in the work place.
- the manufacturing file and associated production records make an account of at least:
 - the issues of the applicable definition file documents,
 - the part numbers and any changes installed in a given assembly,
 - the status of anomalies and concessions applicable to the item
- changes to the manufacturing file are performed under controlled conditions and by authorised personnel.
- the consistency between manufacturing file and the definition file is verified and maintained (see 6.4.2)

6.4.4 Software

Production activities related to software will be the following, according to AQAP-2210:

- Safe storage of masters,
- Replication procedures from masters, including check of the copy conformity,
- Loading procedure and verification,
- If applicable, delivery procedure,
- Implementation of configuration management rules (maintenance).

6.4.5 Evidence and traceability

Quality control shall be performed in accordance with the Quality Assurance Plan.

The Supplier shall be able to make available, on Buyer 's request, for each delivered Item:

- Evidence of incoming inspection of all supplied Items,
- Identification of material,
- Traceability of storage conditions (when applicable),
- Evidence of reviews, inter stage inspections, final inspections and tests and the identification of the inspectors involved,
- Evidence of release documentation for delivered Items,
- Identification of each technical problem, non conformity and evolution of the configuration/definition of the Items,
- Evidence of traceability (Item against Definition Files, means...).

All these records shall be retained ten years from the delivery (except for "Safety Class I_a parts" see specific document) and shall not in any case be destroyed without prior permission of the Buyer.

6.5 Identification

The required marking shall be applied to an identification plate, identification band, identification tag, or identification label securely fastened to the item, or shall be applied directly to the surface of the item.

The product specification / definition file shall specify the method of identification.

6.5.1 Marking

Standard Parts shall be identified in accordance with the requirements of the specification, all other parts shall be marked in accordance with Mil-std-130, with at least:

- NATO code number of the company responsible for the items design.
- NATO code number of the company responsible for the items manufacture, when different to the company responsible for the items design
- The Part Number* and any necessary information on modification status,
- Serial number or batch number as applicable,
- Supplier's quality stamp,
- Concession number if any,
- Operational SW(s) P/N, if any

* For NH90 specific equipment, the NH90 Part Number provided by the buyer is mandatory.
For "off the shelf" equipment the Supplier Part Number should be used,

6.5.1.1 Additional markings

When agreed with the buyer the NH90 Part Number shall also be added to "off-the-shelf" equipment.

Items with limited shelf life or with operation during storage, shall be marked with the manufacturing date.

Some additional appropriate information, to be addressed in the Quality Assurance Plan, shall be also marked.

The list of above mentioned Items shall be provided to the Buyer.

In addition, any cautions/warnings concerning human safety and/or Item protection shall be indicated on the Item, as well as any necessary adjustment to be known by the user.

6.5.1.2 Software identification

In case of equipment software, the P/N of the Item shall consider both hardware and equipment software.

In case of operational software, a specific P/N shall be defined in addition to the previous one.

When downloaded/installed by the Supplier, the identification label shall mention the operational SW(s) P/N.

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When the operational SW (s) are not downloaded/installed by the Supplier, the identification label will permit to add SW P/N when SW will be download/installed. The marking method will permit to easily update SW P/N (ink marking for example).

The SW downloading/installation operation(s) will be attested on Log card.

6.5.2 Special identification

Items supplied under formal Buyer's request, with "ground use only" limitations, will be subject to the following mandatory requirements:

- The Items shall be identified by a bright red band approximately 20mm wide or as wide as is practicable for the size of the Item,
- The Release Note shall be clearly endorsed "NOT FOR FLIGHT",
- The Log Card (where applicable) and the certificate of conformity shall be marked with "NOT FOR FLIGHT".

6.5.3 Log Card

Except otherwise agreed, a Log Card shall be established in accordance with the document "Log card procedure": QD S000N0812E01.

6.5.4 Packaging identification

Except otherwise agreed, the packaging identification shall be consistent with the requirements of AECMA 2000M / STANAG 4280.

6.6 Non conformities/anomalies/incidents handling

The Supplier shall use a suitable non conformities/anomalies/incidents handling system (recording, monitoring, investigations and corrective/preventive actions) to be described in the Quality Assurance Plan taking into account the requirements expressed in the document "Statement of Work (SOW) of the Contract.

The Supplier shall notify its local NQAR of non-conforming items received from sub contractor that have been subject to GQA, according to the list provided by its NQAR (AQAP2110)

Any anomaly discovered by the Supplier which can have an impact on already delivered items (airworthiness, performances, reliability , maintenance) shall be immediately subject to written information to the Buyer

6.6.1 Concessions

The Supplier shall not deliver any non conforming Item without formal written agreement of the Buyer.

The handling of Non Conformities is described in the document "Concession procedure": QD S000N0805E01.

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6.6.2 Defective Items after delivery

The supplier procedure(s) for dealing with non conformities shall include for non conforming products returned from the Buyer or to be corrected by the Supplier at the buyer's premises.

In case of repetitive anomalies or failures rate leading the Supplier to be unable to replace the defective Item(s) in the conditions defined in the Contract following conservative actions shall be taken:

- Functional incoming tests, under Supplier responsibility, with the relevant means will be implemented at the Buyer premises, or Buyer representative may decide to attend systematically to Supplier 's acceptance tests until 10 supplies delivery without anomalies/failures,
- A Supplier analysis and action plan shall be established to eliminate the anomaly as quick as possible and to prevent recurrence,
- A quality audit of the Supplier may be held at relevant premises.

6.6.3 Interventions at Final Assembly / Flight lines

If, after the signature of the certificate of conformity, the supplier is required to make an intervention at buyer premises to perform any one, or combination of, repair, inspection, replacement, modification or defect rectification then the supplier shall certify the work performed before leaving site; certifying the work performed shall mean;

- that the required work is complete;
- that the work was performed using certified components, qualified tools, methods, processes, and in appropriate environmental conditions;
- that the work was performed by appropriately qualified and competent staff;
- that during the performance of the work there were no additional detected defects;
- that all necessary records are complete and signed;
- that the work performed does not result in a regression or deviation from the declaration of design and performance, or;
- in case of a deviation or regression from the declaration of design and performance, that a concession has been applied for.

The form and method of such certification shall be agreed with the Buyer quality department, depending on the complexity of the tasks may range from a simple attestation on the equipment log card, to a full release to service certificate.

6.6.3.1 Special Investigations

When a defective Item is the subject of a special investigation, steps shall be taken by the rejecting company to ensure that the unit is properly packed, sealed and the outside of the container distinctly marked:

« TO BE OPENED ONLY IN THE PRESENCE OF THE BUYER'S QUALITY MANAGEMENT AND NQAR (OR WITH THEIR AUTHORISATION)».

6.7 Acceptance Tests

6.7.1 Acceptance Test Procedure (ATP)

The Supplier shall provide an Acceptance Test Procedure (ATP).
The ATP shall be approved by the Buyer.

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For each delivered Item, the Supplier shall perform acceptance tests prior to delivery, according to the ATP.

For each test, the ATP shall include at least :

The specification reference,

The Definition File reference and revision number,

The NH90 P/N of the Item to be tested,

The preliminary inspection:

- accompanying documents,
- markings,
- appearance check,
- etc...

The individual technical check description:

- general test conditions (temperature, pressure),
- dimensional check,
- weight check,
- the functional tests to be performed (type, input values, output values, accuracy, acceptability criteria..) clearly defined for application not linked to specific test.
- the test facilities implemented by the Supplier with, if applicable, the test method for these facilities.

The technical inspection description on sampling basis:

- the definition of batch composition.

The generic individual Acceptance Test Report (ATR).

For each delivered Item , the related ATR with actual measured values shall be attested by Supplier Quality department.

Buyer's Quality representatives shall have the right to participate to any of the acceptance tests (at the Supplier's facilities) including tools/means acceptance.

The Supplier shall give the Buyer, not less than ten days, a written notice about start of acceptance test. Within five days of such notice, the quality representative of the Buyer will confirm the Supplier its availability to witness the above acceptance test.

6.7.2 Equipment Test Specification (ETS)

If required by the Contract, the Supplier shall provide an "Equipment Test Specification" (ETS) for the electric, electronic and/or optronic equipment.

The ETS shall be written in accordance with QD S000N0819E01: "Guide for writing equipment test specifications". The ETS describes the process to execute Good Operating Test (GOT) and Fault Localization Test (FLT) on the equipment.

The ETS performances regarding failures rate shall be quantified as follows:

- For the GOT: Failure Detection Rate = Number of detected failures/Number of possible failures \geq 95 %,
- For the FLT: Failure Localization Rate = Number of localized failures/Number of possible failures \geq 90 %, with a minimum of 90 % of failures localized on 1 SRU.

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The ETS shall be approved by the Buyer. This procedure may be used by the Buyer for incoming tests or trouble shooting purposes.

When it is possible the ETS will be included in the Acceptance Test Procedure (ATP) to have only one document. Otherwise, the ETS shall be identified in the ATP as an applicable document.

6.8 Delivery Process

6.8.1 Delivery conditions

Buyer Quality department has the right to formally refuse the delivery if the delivery data package is not compliant with the contractual requirements.

Direct Delivery by the Supplier or their subcontractors to other parties than the Buyer, is not authorised except when a) formally accepted by the Buyer, and b) the delivery is in support of the production of a new helicopter.

When Direct Delivery has been authorised, dedicated arrangements will be made between the concerning parties. The arrangements must be in line with the rules of this document.

Direct Delivery by the supplier to an user/operator of NH90 Helicopters using a CoC/DAIN signed on behalf of NHIndustries is forbidden unless NHIndustries is a party to the arrangement made by the Buyer and Supplier.

6.8.2 Limits for delivery

Unless other contractual requirements, all Items shall be delivered with the limits below:

- Date of receipt < date of manufacture + 6 months, if the Item is without storage limits or if its storage limit is >2,5 years,
- Date of receipt < date of manufacture + 20% storage limits if its storage limit is <2,5 years (date of manufacture or date of assemblage or cure date according the type of Item).

Particular case of elastomers:

- Elastomers delivered by the manufacturer of elastomer: date of acceptance < cure date + 12 months,
- Elastomers delivered alone or loose with a product by a manufacturer other than the elastomer manufacturer: Date of acceptance < cure date + 18 months,
- Hose assemblies: Date of acceptance < cure date + 24 months.

6.8.3 Delivery documentation

Delivery documentation shall be provided, attached to the released Items, including software, according to the following list:

- Release Note,
- Certificate of Conformity,
- Log Card, if applicable,
- Concession(s) / Temporary Concessions Deviations), if relevant,
- Acceptance Test Report,
- Additional documents depending to the Contract or Buyer's national rules (i.e. fire resistance certificate, owner's manual, ...),
- Delivery documentation check list (attested by Supplier QA).

The Release Note shall include at least:

- The Release Note number,
- The Buyer order and relevant entry numbers,
- The list of Items with their NH90 P/N and quantities,
- The description of enclosures,
- The number of packages, weight and dimension,....

The Certificate of Conformity shall include at least:

- The Certificate of Conformity number,
- The purchase order N°,
- The list of Items with their NH90 P/N and quantities,
- Serial number (or batch number),
- Declaration of Design and Performance status (flight cleared/qualified & N° and issue reference),
- Concessions / Temporary concessions/deviations number(s),
- The juridical sentence declaring the conformity,
- The identification (name, function and signature of the quality supervisor authorised to attest the Certificate of Conformity).

Beside the contractual documentation, the Supplier shall provide the documentation set that enables the National airworthiness Authorities to issue the airworthiness compliance certificate in accordance with his National regulations.

Case of Retailers and/or Distributors

Besides his own Statement of Conformity, the Retailer and/or Distributor (or Manufacturer acting as Retailer and/or Distributor) should deliver products with the document of conformity of the Manufacturer and, so applicable, the reports of tests and/or analysis and the possible concessions.

In the case of a batch broken down, the copy of these documents is accepted.

If asked with order, the original of the Authorized Release Certificate should be joined.

Case of repairs of products in use.

Products subject to an overhaul/repair order must be more accompanied with the following documents:

- the work execution report consisting of:
 - the list of the completed work tasks with the identification of the maintenance instruction / repair design instruction applied (if the Declaration of Conformity gives this information, the list is not compulsory),
 - the status of the embodied modifications, Service Bulletins and Airworthiness Directives,
 - the list of TBO and lifed items.
- any investigation reports.

6.9 Packaging, Handling, Storage and Transportation

The Supplier shall make sure that the requirements concerning handling, storage, conditioning, preservation, and correct inventory turnover shall be met during the complete manufacturing process until Item delivery.

In any case, all interfaces (as connectors, pipes,...) as well as face plate (as keyboards, screens) shall be correctly protected from damage and dirtiness with appropriate means.

For face plate, the protection shall allow the normal use of the Item.

All protections shall be removable without specific tools.

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The Supplier shall provide a specific "Storage and packaging requirements" document which contains at least:

- Supplier's name, Item designation,
- Supplier's P/N, and NH90 P/N,
- If (yes or no) it is a limited calendar operating material, or a limited storage material,
- The maximum storage duration (months),
- Specific actions during storage and their periodicity,
- Specific actions at limit of storage (scrapping, shelf life renewal),
- Specific storage conditions (position, temperature, etc...),
- Specific packaging conditions (in the short or long term),
- Date and Supplier's visa.

| The form is given in annexe 2.

This document shall be approved at the Production Investment Review

It shall be forwarded to:

- the Buyer before the first delivery and after each update,
- the Partner Company(ies) before the first delivery and after each update, in case of direct delivery.

6.9.1 Specific rules for hazardous materials (pyrotechnic materials,...)

| Handling, storage, preservation, packaging and delivery rules shall comply with Regulation (EC) No 1272/2008 on classification, labelling and packaging (CLP) of substances and mixtures.

Material Safety data Sheets shall be provided when necessary for the Buyer or for End User

6.10 Quality indicators

Quality level of Items measured by the means of quality indicators (for example : percentage of defective Items during the manufacturing phase, rate of failures during tests, SPC, ..) shall be monitored.

A quality indicator, related to Items found defective after delivery, shall be set-up.

6.11 Quality audits

Each Supplier internal audits plan shall take into account NH90 Quality Assurance Plan.

The complete scope of this Quality Plan shall be audited within four years.

This plan shall be available to the NQAR/customer representative.

Partner Company Quality Manager shall be informed of Quality audits planned (Programme related) and of the results of any Quality audit, if Programme related problems/actions are observed.

| NATO supplements of AQAP 2110 shall be included in Suppliers audit plans. Audit results shall be available to the local NQAR.

6.12 Reporting

According to the DRL requirements, the Supplier shall report to the Buyer on quality matters.

The table of content of the report shall be included in the Quality Assurance Plan.

The minimum content required is:

- number of non conformities/anomalies/incidents,
- number of Concessions,

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- lead-times for closure of non conformities reports/anomalies reports, incidents reports, Concessions,
- number of corrective and preventive actions (incl. status and results),
- status of Supplier approvals,
- status and results of process improvements,
- actions forecast.

This report shall be available to the local NQAR.

7 NATIONAL QUALITY ASSURANCE INVOLVEMENT

All work meant to be carried out by the Supplier and all other lower level subcontractors in furtherance of the Contract can be subject to Government Quality Assurance (GQA) by the appropriate National Quality Assurance Representatives.

The Supplier shall make the necessary arrangement with the NQAR to allow its GQA activities.

In any case, Government Quality Assurance activities cannot be a reason to justify a delay on contractual commitment.

When the NQAR needs to attest its GQA activities, a separate form from the Supplier CoC shall be used (refer to AQAP 2070).

Annexe 1
DDP

1. NAME AND ADDRESS OF SUPPLIER:	2. D.D.P. No.			PAGE 1 OF	
	3. ISSUE No.				
	4. DATE				
	5. TYPE OF DECLARATION: <input type="checkbox"/> Preliminary <input type="checkbox"/> Final				
6. DECLARATION OF DESIGN AND PERFORMANCE OF (a) NH90 P/N: (b) Name of the Item: (c) SUPPLIER P/N:					
7. WEIGHT					
8. DIMENSIONS					
9. BRIEF DESCRIPTION:					
10 LEVEL OF SOFTWARE Ref and Version of the SW:					
11. ITEM DOCUMENTATION					
SPECIFICATION N°: rev. DEFINITION FILE N°: rev					
12. PERFORMANCE					
13. APPROVALS HELD FOR THE ITEM:					
14. QUALIFICATION COMPLIANCE FILE ref or QUALIFICATION DOCUMENTS ref					

			D.D.P No. ISSUE No.	PAGE 2 OF
15. SERVICE AND INSTRUCTION MANUAL No:				
16. STATEMENT OF THE LEVEL OF COMPLIANCE The Item defined in block 6 complies with the requirements of (reference of requirement specification) revision (revision of requirement specification) except for the non-conformances listed in column (e) below.				
Specification § and GRS Attach.§	Specification or GRS requirement		Statement: Compliant or Not compliant	Non-conformance with Specification or GRS and recommended limitation if any
(a)	(b)	(c)	(d)	(e)

**17. DECLARATION**

The declaration in this document is made under the authority of:

(*Supplier name*) cannot accept responsibility for Item used outside the limiting conditions stated above without their agreement.

(*Supplier name*) certify that the information contained in this Declaration of Design and Performance is accurate.

Signed:

For:

Supplier department

Date:

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INSTRUCTIONS:

Field	Data
1	Name and address of supplier.
2	Number of the Supplier Declaration of Design and Performance. It Is up to the Supplier responsibility to give the number according to its own official documents numbering rules.
3	Number of the issue/issues of the Supplier Declaration of Design and Performance.
4	Date of the issue indicated in the relative box above.
5	Indicate the type of declaration: "Preliminary" or "Final"
6	(a). NH90 part number. (b) Denomination of the Item (c) Supplier part number.
7	Maximum weight (dry) and/or maximum weight for acceptance. Specify the acceptance status (dry or filled).
8	Indicate or the maximum external dimensions of the Item, or the number of the drawing in which these dimensions are shown.
9	Minimum description of the Item configuration (i.e.: composition/component identification, its use, the system in which it is fitted, etc.).
10	Enter the reference and version of the SW..
11	Enter the applicable document numbers and their revisions.
12	Brief description of the Item main performances technical data (i.e.: flows, strokes, speed, the physical characteristics/field to be kept under control, etc.).
13	Enter the obtained/prescribed Item approvals; i.e. the already obtained confirmation and/or certifications to refer for similarity qualification purposes.
14	Enter the applicable document number at latest revision. (starting from the D&D Qualification File).
15	Enter the applicable document number at latest revision.
16	(a) Specification paragraph number. (b) Enter the design requirements to be verified/tested, as defined in each specification paragraph number. (c) Put a cross in correspondence of the paragraph, the positive achievement of the requirements of which have been defined mandatory to allow installation of the Item on the helicopter for experimental flight activity. (d) Enter the type of activity to be performed to demonstrate the compliance of the requirement (by test, by design, by calculation, by analysis by similarity). (e) If the test/verification results are conform to the requirement write "Nil", otherwise enter the nature of the non-conformance.
17	Declaration is to be signed by supplier authorised staff only..

Annex 2

STORAGE AND PACKAGING REQUIREMENT SHEET

Supplier's name:

Date:

Item designation:

Supplier P/N:

NH90 P/N:

LIFE LIMITATION

*Limited calendar operating materiel:

YES

☐

NO

☐

- Maximum hours/cycles

*Limited storage materiel:

YES

☐

NO

☐

- Maximum duration (months):

*Specific actions during storage:

YES

☐

NO

☐

- Periodicity:

- SLC (Spec. 2000M):

- Works to be done:

*Specific actions at limit of storage:

- to be scrapped:

YES

☐

NO

☐

- to be revalidated

YES

☐

NO

☐

works to be done:

*

Specific storage conditions (position, temperature, etc ...):

YES

☐

NO

☐

.Description:

CONDITIONING

Specific conditioning conditions:

- in the short term

YES

☐

NO

☐

description:

- in the long term

YES

☐

NO

☐

PLC (Spec. 2000M) :

description:

SUPPLIER'S VISA

BUYER'S TECHNICAL ADVISE

Name:

Design Office :

Date:

Signature:

Distribution