

Exigences qualité applicables aux fournisseurs et sous-traitants des Divisions EWIS Eurasia, EWIS Americas et MATIS

Quality Requirements applicable to EWIS Eurasia, EWIS Americas and MATIS Suppliers and Sub Contractors

Sub-Process	PUR-04 : Select supplier and enter into agreement	Sub-Sub-process	PUR-04-04: Approve supplier
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PURPOSE:

This document defines the particular requirements to suppliers of products and services of EWIS Eurasia, EWIS Americas Divisions and MATIS of SAFRAN Electrical & Power.

APPLICATION SCOPE:

This instruction is applicable to all supplies covered in an order from EWIS Eurasia or EWIS Americas or MATIS that goes into the composition and production of equipment it designs.

Persons concerned

The **partners, joint contractors** and **Suppliers** of EWIS Eurasia and/or EWIS Americas and/or MATIS and their **subcontractors**.

Note in this document:

- The terms « EWIS Eurasia », « EWIS Americas » or MATIS mean the division of SAFRAN Electrical & Power, society of SAFRAN group that notifies or has notified any purchase contracts,
- The term "Supplier" refers to SAFRAN's partner, joint contractor, service provider, Supplier or subcontractor of rank 1 for SAFRAN Electrical & Power,
- The term "Subcontractor" means the partner, subcontractor or Supplier of rank 2, or a lower rank, of SAFRAN Electrical & Power
- The term "Contracting Authority" means any customer of SAFRAN Electrical & Power,
- The term "Contract" means a purchase contract or an order.

OBJET :

Ce document définit les exigences spécifiques auxquelles doivent répondre les fournisseurs participant à la réalisation de produits et services des Divisions EWIS Eurasia et EWIS Americas de SAFRAN Electrical & Power.

DOMAINE D'APPLICATION :

Cette instruction est applicable à toute fourniture objet d'une commande de la part des Divisions EWIS Eurasia et EWIS Americas, entrant dans la composition et la réalisation des matériels de sa conception.

Acteurs concernés

Les **partenaires, coopérants et Fournisseurs** des divisions EWIS Eurasia, EWIS Americas et MATIS ainsi que leurs **sous-contractants**.

Nota, dans ce document :

- Les termes « EWIS Eurasia », « EWIS Americas » et MATIS désignent les divisions de SAFRAN Electrical & Power, société du groupe SAFRAN qui passe ou ont passées des contrats d'achat,
- Le terme "Fournisseur" désigne le partenaire, coopérant, prestataire, Fournisseur ou sous-traitant de rang 1 de SAFRAN Electrical & Power,
- Le terme "Sous-contractant" désigne tout partenaire, sous-traitant ou Fournisseur de rang 2, ou plus, de SAFRAN Electrical & Power,
- Le terme "Donneur d'ordre" désigne tout client de SAFRAN Electrical & Power,
- Le terme "Contrat" désigne un contrat d'achat ou une commande



Approval of the document

Step	Name
Author(s)	SANTINA René-Pierre; CALMELS Jean-Marc
Approver(s)	MALGOUYRES Sylvain; PLUSQUELLEC Fabrice; CAMPBELL Charles; BRASHEARS Brennan; ABALLEA Andre; BONHOURE Thierry
External Approval	[External Approval]



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1. INTRODUCTION

1.1 EWIS EURASIA, EWIS AMERICAS AND MATIS DIVISION EXPECTATIONS

The implementation of the Quality policy of SAFRAN ELECTRICAL & POWER– i.e. customer satisfaction and continuous improvement of the processes – involves all players, and particularly the Suppliers.

This policy is applied along five lines of action, as follows:

- ✂ **Lead-times,**
- ✂ **Quality,**
- ✂ **Costs,**
- ✂ **Robustness,**
- ✂ **Health - Safety - Environment.**

Those lines will be flown down through yearly targets. Those targets will be communicated by the purchasing direction of EWIS Eurasia and Americas and MATIS.

SAFRAN Electrical & Power's Suppliers shall contribute to achieving these general objectives.

The Supplier undertakes to comply with the regulations in force, and with SAFRAN Electrical & Power's requirements, in its respective areas of contractual responsibility towards EWIS Eurasia, EWIS Americas and/or MATIS divisions.

Any documents provided by EWIS Eurasia or EWIS Americas division or MATIS to the Supplier as recommendations or assistance material are meant to help the Supplier make the product, and benefit from EWIS Eurasia or EWIS Americas or MATIS division's experience. These measures shall not in any case reduce the responsibility of the Supplier, particularly in terms of the final quality of the product.

Achievement of these objectives shall be measured – *inter alia* – by performance indicators that are shared between the companies in the SAFRAN group.

The above mentioned performance monitoring action will give rise to a rating.

SAFRAN reserves itself the right to:

Take any curative and corrective measures required or necessary in order to correct any failure to perform, at the Supplier's expense;

Draw up a list of the Suppliers that do not meet the performance requirements specified by SAFRAN, including logistics, quality and on costs (this list shall be issued to all the companies in the Group);

Stop consulting the Suppliers that are included in this list.

The requirements below supplement the requirements of the ISO/EN/AS/JISQ standards and are structured according to the same principle.

1.2 RECOGNITION OF THE REQUIREMENTS

In accepting a Contract that calls for application of this document, the Supplier shall be deemed to have accepted the content of this document. The Supplier compliance with EWIS Eurasia and EWIS Americas and MATIS division Requirements are evaluated through the Compliance Matrix to EWIS Eurasia and EWIS Americas and MATIS expectations: **PUR-04-04-IN001-F002**

In order to ensure easier monitoring, the requirements set out in this document are numbered.

- The SAFRAN's requirement adapted for EWIS Eurasia or EWIS Americas and MATIS division is identified with a star as **S*x.x.x**
The difference between SAFRAN and EWIS Eurasia or EWIS Americas or MATIS division requirement is noted with a **blue text**

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- The EWIS Eurasia or EWIS Americas or MATIS division's requirements are prefixed with **Lx.x.x**

The quality requirement for AIRBUS Helicopter product have to be fulfilled and are described in the AIRBUS helicopter document ER070-06-01.

2. DOCUMENTS REQUIRED FOR APPLICATION

The Supplier shall obtain all documents required that are not published by SAFRAN Electrical & Power, at the latest index in force (definition information and standards).

For information, the list of the common procedures of the SAFRAN group is available in document GRP 0146.

Any documents and standards mentioned directly or indirectly in the contracts shall apply. Failing any version number, the latest valid version shall apply.

The list below indicates the major standards required for application:

- **EN/AS/JISQ 9100** Aerospace series – Quality management systems – requirements
- **EN/AS/JISQ 9110** Aerospace series – Quality Systems –Model for quality assurance applicable to maintenance organizations
- **EN/AS/JISQ 9120** Aerospace series – Quality management systems – Requirements applicable to stock keepers and distributors
- **EN/AS/JISQ 9131** Aerospace series – Quality management systems – Nonconformity documentation
- **EN/AS/JISQ 9134** Aerospace series – Quality systems – Guidelines for the management of the supplier's chain risk
- **EN/AS/JISQ 9102** Aerospace series – Quality systems – First article inspection
- **EN/AS/JISQ 9103** Aerospace series – Quality management system – Management of the variation in key characteristics)
- **ISO 9001** Quality management systems – Requirements
- **AQAP 2110** NATO Quality Assurance requirements for Design, Development and Production
- **AQAP 2120** NATO Quality Assurance requirements for Production
- **AQAP 2130** NATO Quality Assurance requirements for Inspection and Test
- **NF L 00-015** Aerospace – Quality management and assurance – Statement of conformity
- **ISO/IEC 17025** General requirements concerning the qualification of Calibration and test laboratories
- **ISO 14001** Environmental management system – Specifications and guidelines for use



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- **OHSAS 18001** Occupational health and safety management system – Specification

3. TERMS AND DEFINITIONS

3.1 ABBREVIATIONS

AMDEC	French acronym for Analysis of the Failure Mode and their Effects and their Criticality
AC/AP	French acronym for Corrective action/Preventive action
ACN	Cognizant airworthiness authority
AQAP	Allied Quality Assurance Publication (NATO)
ASD-EASE	Aerospace and Defense European Association for Supplier Evaluation
DC	French acronym for Statement of conformity
EASA Form 1	Release certificate authorized by the European Aviation Safety Agency
FMECA	Failure Modes, Effects and Criticality Analysis
HSE	Health, Safety and Environment
IAQG	International Aerospace Quality Group
MCE	French acronym for Requirements conformity matrix
Nadcap	National Aerospace and Defense Contractors Accreditation Program
NDT	Non Destructive Testing
OASIS	Online Aerospace Supplier Information System
PRI-Nadcap	Performance Review Institute Nadcap
SAFe	Set of documents including SAFRAN Quality requirements (GRP-0087) + SAFRAN Supplier Manuel (GRM-0123) + Quality requirement compliance Matrix (GRF-0033)
SQAP	System Quality Assurance Plan

3.2 DÉFINITIONS

The terms that are used in this document are used according to the definitions given in ISO9000, EN/AS/JISQ 9100 and EN/AS/JISQ 9120, with the following supplements:

Approval: The result of an assessment that authorizes EWIS Eurasia or EWIS Americas or MATIS division to issue a contract with the Supplier.

Certificate of Conformance (COC): Document substantiated by an empowered person and stating conformance of equipment delivered with specified requirements.

Concession: Written authorization to use or deliver a quantity of products or equipment already produced but nonconforming.

Contract: An agreement between EWIS Eurasia or EWIS Americas or MATIS division and a Supplier that defines the conditions applicable to a given purchase or a series of purchases. A purchase contract may specify one or more orders, or only define the conditions of issuance and acceptance of subsequent orders.

Definition: A set of documents/data as mentioned in the contract and that constitute the technical baseline of the product (drawings and associated documents, technical specifications, parts lists, technical documents, special instructions associated with the contract, etc.).

Discrepancy: Deviation with regard to that which is expected.

Industrial Substantiation Report (DVI):

A set of documents required in order to:

- Demonstrate that the manufacturing process is capable of ensuring reliable and repetitive production of a product in compliance with the certified or qualified model;
- Cover the first article review in agreement with EN 9102;
- Control all changes to the manufacturing process and any subsequent impacts on the quality of the products.

Lot: A set of products that have the same configuration and have common manufacturing and inspection conditions (same manufacturing process and/or production run, etc.).

Inspection: Action designed to measure, examine, test and calibrate one or more characteristics of a product or service, and to compare them with the specified requirements, in order to establish their conformance.

Official organisms:

- The Quality assurance representative (RAQ), for military equipment;
- The Airworthiness Authority (ACN), for commercial equipment;
- The French or foreign organization acting under the delegation of one of the above authorities.

Order: An order given to a Supplier to deliver a specified product under agreed conditions. The order may be issued under a purchase contract or independently of any prior agreement.

Purchaser: Any EWIS Eurasia or EWIS Americas or MATIS division personnel empowered to play a part in the relationship with suppliers in accordance with the requirements of this document: family purchaser, project purchaser, Supplier Quality and Logistics manager, vendor scheduler, Quality department of concerned EWIS Eurasia or EWIS Americas or MATIS division facilities, etc.

Requirement: A need or expectation that is stated, implied or obligatory.

Special Process: In addition to the manufacturing operations defined as special processes under the EN9100, the Non Destructive Testing (NDT) operations also belong to this category.

Specification: Document that specifies the requirements to which the product or service must conform.

Technical assistance : Support provided by EWIS Eurasia or EWIS Americas or MATIS division to a subcontractor in order to fulfill the orders involving specific processes.

Vendor/Stock Keeper/Distributor: A Supplier that purchases and resells products without modifying them with respect to their original definition.

3.3 DOCUMENT AND FORMS LINKED TO THE INSTRUCTION

Reference	Object
PUR-04-04-IN001-F002	SAFRAN Electrical & Power EWIS Americas, EWIS Eurasia and MATIS Requirements Compliance Matrix
PUR-04-04-IN001-F103	Change Notification Form for EWIS Eurasia
PUR-04-04-IN001-A103	Mechanical Packaging specification

4. CONTEXT OF THE ORGANISATION

Sub-chapters in this section are based on Chapter 4 of the SAFRAN referential: SAFe – GRP-0087.

4.1. UNDERSTANDING THE ORGANIZATION AND ITS CONTEXT

There are no additional requirements.

4.2. UNDERSTANDING THE NEEDS AND EXPECTATIONS OF INTERESTED PARTIES

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L4.2a <i>(ex L4.1.1a)</i>	The supplier shall commit to be compliant with the SAFRAN ELECTRICAL & POWER additional requirement of this document through a requirements compliance matrix (PUR-04-04-IN001-F002)	All	All	All
L4.2b <i>(ex QR2 F Note 2)</i>	Distributor must be a manufacturer's authorized distributor for the product/material controlled by SAFRAN Electrical & Power customer drawings, prints, specifications, etc., when such authorization is part of the requirements in such technical data.	S1	C	All
L4.2c <i>(ex QR2 F Note 3)</i>	Value added distributors are required to provide an authorization letter from the true manufacturer to assemble and distribute value added product. It is the responsibility of the value added distributor to insure that SAFRAN Electrical & Power receives the most updated authorization letter.	S1	C	All

Note: Please take note that the use of change notification form (CNF) under the reference PUR-04-04-IN001-F103 is also relevant for any change of the supplier's quality management system.

4.3. DETERMINING THE SCOPE OF THE QUALITY MANAGEMENT SYSTEM

There are no additional requirements.

4.4. QUALITY MANAGEMENT SYSTEM AND ITS PROCESSES

There are no additional requirements.

5. LEADERSHIP

Sub-chapters in this section are based on Chapter 5 of the SAFRAN referential: SAFe – GRP-0087.

5.1. LEADERSHIP AND COMMITMENT

There are no additional requirements.

5.1.1. General

There are no additional requirements.

5.1.2. Customer focus

Note to SAFe requirements associated to this sub-chapter:

The Supplier shall highlight back to EWIS Eurasia or EWIS Americas or MATIS division – before a contract is established – any restriction applicable to any information considered as confidential, and shall propose satisfactory conditions of access through quality system assurance plan (QSAP).

5.2. POLICY

There are no additional requirements.

5.2.1. Establishing the quality policy

There are no additional requirements.

5.2.2. Communicating the quality policy

There are no additional requirements.

5.3. ORGANIZATIONAL ROLES, RESPONSIBILITIES, AND AUTHORITIES

There are no additional requirements.

6. PLANNING

Sub-chapters in this section are based on Chapter 6 of the SAFRAN referential: SAFe – GRP-0087.

6.1. ACTIONS TO ADDRESS RISKS AND OPPORTUNITIES

Note to SAFe requirements associated to this sub-chapter:

A differentiation will be brought to the credit of the supplier's committed in:

- Developing of solution to reduce the amount of paper purchasing orders (EDI, Web EDI, consignment stock or advance stock, ...)
- Supporting the optimal parameters to secure the supply chain

6.2. QUALITY OBJECTIVES AND PLANNING TO ACHIEVE THEM

There are no additional requirements.

6.3. PLANNING OF CHANGES

There are no additional requirements.

7. SUPPORT

Sub-chapters in this section are based on Chapter 7 of the SAFRAN referential: SAFe – GRP-0087.

7.1. RESOURCES

7.1.1. General

There are no additional requirements.

7.1.2. People

There are no additional requirements.



7.1.3. Infrastructure

There are no additional requirements.

7.1.4. Environment for the operation for processes

There are no additional requirements.

7.1.5. Monitoring and measuring resources

7.1.5.1 General

There are no additional requirements.

7.1.5.2 Measurement Traceability

There are no additional requirements.

7.1.6. Organizational knowledge

There are no additional requirements.

7.2. SKILLS

There are no additional requirements.

7.3. AWARENESS

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L7.3a (Ex QR39)	PERSONNEL AWARENESS Seller shall ensure that its personnel are aware of their contribution to product and/or service conformity, their contribution to product safety and the importance of ethical behavior.	All	All	All

7.4. COMMUNICATION

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L7.4a (Ex QR5)	<p>SUPPLIER NOTIFICATION OF QUALITY SYSTEM CHANGES Supplier shall promptly notify SAFRAN Electrical & Power of any changes in the management representative with the assigned responsibility and authority for the quality system. Supplier will also notify SAFRAN Electrical & Power when changes occur that could affect their quality system. Supplier will notify SAFRAN Electrical & Power as soon as the change is of public knowledge or at a minimum 6 months before the actual implementation</p> <p>Examples of changes include (but are not limited to):</p> <ul style="list-style-type: none"> · Implementation of a new business system · Work transfer <ul style="list-style-type: none"> o Within same company o Company to external supplier o Critical sub-tier change · Facility move · Company ownership/name change · Loss of critical capability <p>Note: The use of change notification form (CNF) under the reference PUR-04-04-IN001-F103 or PUR-04-04-IN001-F303 is a benchmark.</p>	All	All	All
L7.4b (Ex QR7 E)	<p>The supplier is responsible for establishing and defining the controls needed for the identification, storage, protection, retrieval and disposition of records.</p> <p>Note 1: Failure to provide quality records when requested shall be treated as a major QMS nonconformance.</p> <p>Note 2: First Article Inspection Reports are Quality Records.</p>	All	All	All

7.5. DOCUMENTED INFORMATION

There are no additional requirements.

7.5.1. General

There are no additional requirements.

7.5.2. Creating and updating

There are no additional requirements.

7.5.3. Control of documented information

Note to SAFe requirements associated to this sub-chapter:

If the supplier ceases to operate, it must inform the Purchaser as soon as it has the information, and at least, if possible, 3 months ahead, so that the latter can transfer filing to other premises.

8. OPERATIONS

Sub-chapters in this section are based on Chapter 8 of the SAFRAN referential: SAFe – GRP-0087.

8.1. OPERATION PLANING AND CONTROL

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.1a (ex L7.1a)	The Supplier shall verify for integrity and applicability the Procurement Plans sent by EWIS Eurasia or EWIS Americas or MATIS division prior to manual or automatic input into their Production Management System. The Supplier shall use the Purchaser's Procurement plans and call-ups for their Master Production Schedule and Material Requirements Planning calculation.	All	A, B, C, D, F	All
L8.1b (ex L7.1b)	The Supplier shall also apply a policy and the processes required in order to ensure proper management of its stocks, in particular in terms of the: <ul style="list-style-type: none"> - buffer stock calculation rules; - methods used to ensure precise stock control; - key stock surveillance indicators; - management of obsolescence and storage conditions. 	All	A, B, C, D, F	All
S8.1c (ex L7.1c)	The Supplier shall react to the occurrence of an identified risk linked to its capacity to be responsive in adapting its production to changes in SAFRAN Electrical & Power's requirements. The Supplier shall be able to analyze, anticipate, and accommodate any incidents or disturbance to the flow of products within the production and delivery processes. <i>Specifically the Supplier shall define and provide their backorder management methodology. The Supplier shall demonstrate how delays and shortage are monitored.</i>	All	A, B, C, D, F	All



<p>L8.1d (ex L7.1d)</p>	<p>The Supplier shall make sure at all times that he has the operational capacities required, including at its Subcontractors', in order to meet the customer's requirements, and shall implement the action plans needed in order to handle any deviations in terms of the load/capacity adequacy in the short-, medium- and long-term. The Supplier shall control all the lead-times associated with its critical capacities (material procurement, operator training, etc.) and shall systematically analyze any future requirements in these particular areas.</p>	<p>All</p>	<p>A, B, C, D, F</p>	<p>All</p>
<p>L8.1e (ex L7.1e)</p>	<p>The Supplier shall implement a policy and processes to control the whole product manufacturing cycle. In particular, consideration should be given to the following principles:</p> <ul style="list-style-type: none"> • Sales and Operations Planning (S&OP) • Master Production Schedule (MPS) • Material requirements planning (MRP) • Provisioning schedule and program management 	<p>All</p>	<p>A, B, C, D, F</p>	<p>All</p>

8.1.1. Operational risk management

There are no additional requirements.

8.1.2. Configuration management

There are no additional requirements.

8.1.3. Product safety

There are no additional requirements.

8.1.4. Prevention of counterfeit parts

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
<p>L8.1.4a (Ex QR34)</p>	<p>The organization shall have a counterfeit parts control plan that documents its processes used for risk mitigation, disposition, and reporting of counterfeit parts that complies with AS5553 Counterfeit Parts Detection.</p>	<p>All</p>	<p>All</p>	<p>All</p>

8.2. REQUIREMENT FOR PRODUCTS AND SERVICES

There are no additional requirements.

8.2.1. Customer communication

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.2.1a (ex L4.2.3a)	The supplier shall write all exchanged document with SAFRAN Electrical & Power in English	All	All	All

8.2.2. Determining the requirements for products and services

There are no additional requirements.

8.2.3. Review of the requirement for products and services

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.2.3a (ex L7.2b)	When EWIS Eurasia or EWIS Americas or MATIS division gives Instructions on Manufacture Processes, the Supplier shall comply with the process or obtain the agreement from EWIS Eurasia or EWIS Americas or MATIS division to use an already qualified one with a transition plan towards the SAFRAN Electrical & Power's process.	All	All	All

8.2.4. Changes to requirements for products and services

There are no additional requirements.

8.3. DESIGN AND DEVELOPMENT OF PRODUCTS AND SERVICES

There are no additional requirements.



8.3.1. General

There are no additional requirements.

8.3.2. Design and development planning

There are no additional requirements.

8.3.3. Design and development inputs

There are no additional requirements.

8.3.4. Design and development controls

There are no additional requirements.

8.3.5. Design and development outputs

There are no additional requirements.

8.3.6. Design and development changes

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.3.6a (Ex QR40)	OBSOLESCENCE MANAGEMENT For Products designed by Supplier, Supplier shall notify the Purchaser no later than 180 days before the effective date of Products that will become obsolete or superseded.	All	B, C	All

8.4. CONTROL OF EXTERNALLY PROVIDED PROCESSES, PRODUCTS AND SERVICES

There are no additional requirements.

8.4.1. General

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.4.1a (Ex QR27)	QUALIFIED PRODUCT LIST When Engineering documents specify Qualified Product List for parts, ensure only Manufacturers listed are utilized for procurement. True Manufacturer must be listed on provided Certificate of Compliance.	All	A, B, C, D	All

8.4.2. Type and extent of control

There are no additional requirements.

8.4.3. Information for external providers

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.4.3a (ex L7.4b)	The Supplier shall flow down their material requirement to their subcontractors, based on their forecast and through Master Production schedule and material Requirement Planning.	All	A, B, C, D, F	All
L8.4.3b (ex L7.4c)	In case of major deterioration of the performances of his subcontractors, the Supplier shall inform SAFRAN Electrical & Power.	All	A, B, C, D, F	All
L8.4.3c (ex L7.4d)	The Supplier shall formalize the Procurement and Subcontractors Risk Analysis and include the Supply Chain failure modes (resources, lead-time, location, lot size, transportation, delivery, etc.)	All	A, B, C, D, F	All

<p>L8.4.3d (Ex QR20)</p>	<p>SAMPLING INSPECTION A Seller that performs acceptance sampling shall meet the requirements of document ARP9013, "Statistical Product Acceptance Requirements," with minimum protection levels meeting ARP9013 Figure B1. When statistical process control is used as an option for either in-process or final inspection, the Seller shall satisfy the requirements of Aerospace Recommended Practice ARP9013/3, "Statistical Product Acceptance Requirements Using Process Control Methods" available at http://standards.sae.org/aerospace/ In all cases, inspection requirements identified by engineering drawing or specification take precedence over the inspection requirements defined herein. SAFRAN Electrical & Power reserves the right to require the supplier to provide 100% inspection of identified characteristics.</p>	<p>All</p>	<p>All</p>	<p>Except Part number ending with */BOEIN</p>
<p>L8.4.3e NEW</p>	<p>SAMPLING INSPECTION FOR BOEING PROGRAMS: Seller shall perform 100% inspection for in-process and final inspection, or Seller shall conform to requirements of document AS9138 "Aerospace series- Quality Management System Statistical Product Acceptance Requirements" as may be amended from time to time. With the exception noted herein Seller's statistical sampling procedure/plan conformance to AS9138 with minimum protection levels meeting SAE AS9138 table A1 and C=0 will constitute Boeing Quality approval subject to restrictions noted in AS9138 section 4.3 Safety/Critical Characteristics and part/product design data sampling requirements and/or prohibitions</p> <p>Buyer reserves the right to disallow a product statistical methods for specific sites/programs, parts or characteristics, and to conduct surveillance at seller's facility to assess conformance to the requirements of AS9138</p>	<p>S1</p>	<p>All</p>	<p>Part number ending with */BOEIN</p>



<p>L8.4.3f</p> <p>NEW</p>	<p>When provider utilizes test reports to accept purchased raw material, the following requirements apply:</p> <p>Test reports must be checked 100% against the provider's requirements and applicable specifications.</p> <p>Validation test requirement: Provider must periodically validate test reports for raw material accepted on the basis of test reports. That validation must be accomplished by the provider or other independent party through periodic, scheduled tests of raw material samples.</p> <p>Schedules for frequency of tests will be established by Seller based on historical performance of the raw material supplier.</p> <p>Provider must retain test reports provided by the raw material supplier, as well as Seller's validation test results as quality records traceable to the conformance of Goods, as specified in SAFRAN quality requirements (GRP-0087)</p> <p>Buyer and customer furnished raw material is not subject to the validation test requirement.</p>	<p>S1</p>	<p>All</p>	<p>Part number ending with */BOEIN</p>
<p>L8.4.3g</p> <p>(Ex QR23 B)</p>	<p>RAW MATERIAL SOURCES</p> <p>For parts manufactured to Beechcraft drawings/specifications, all metallic raw material is to be procured from Beechcraft approved mills only. For a list of currently approved mills, contact Beechcraft Supply Chain Management or access their web-site: http://www.beechcraft.com/include/content_view.aspx?id=8061; Certified original mill test reports must be provided by suppliers and retained on file. Material manufacturing lots must be traceable to end item products delivered to SAFRAN Electrical & Power.</p>	<p>S1</p>	<p>A, B, C, D, F</p>	<p>Part number ending with */BEECH</p>



<p>L8.4.3h (Ex QR26)</p>	<p>DIGITAL PRODUCT DEFINITION (DPD / MODEL BASED DEFINITION (MBD), BOEING PROGRAMS If Supplier receives, downloads, and/or uses DPD geometry in any format, Supplier shall obtain SAFRAN Electrical & Power approval as DPD capable. To receive SAFRAN Electrical & Power approval as DPD/MBD capable, Supplier must complete SAFRAN Electrical & Power DPD/MBD Check sheet (PUR-04-04-IN001-F305; available from SAFRAN Electrical & Power) and provide documented evidence of compliance as requested. SAFRAN Electrical & Power reserves the right to an on-site audit. SAFRAN Electrical & Power DPD/MBD Capability Survey should also be submitted annually and within 30 days of a software change. If Supplier receives DPD geometry in MBD format, Seller is required to obtain SAFRAN Electrical & Power approval as MBD-capable. If Supplier provides DPD geometry to Supplier's subcontractors in any format, supplier shall impose applicable requirements and is responsible for its subcontractor's conformance. If Supplier provides DPD geometry in any format to Supplier's subcontractors, Supplier shall comply with all applicable export laws. <i>Note for Boeing specific : Supplier providing SAFRAN Electrical & Power with parts intended to be used on Boeing program shall conform to Boeing's document D6-51991 "Quality Assurance Standard for Digital Product Definition at Boeing Suppliers"</i> <i>Copies of Boeing's document D6-51991 is available through SAFRAN Electrical & Power Procurement Representative.</i></p>	<p>All</p>	<p>A, B, C, D, F</p>	<p>All</p>
<p>L8.4.3i (Ex QR35)</p>	<p>FAA / PMA PARTS For products to be used for Boeing PC700; parts marked with "FAA/PMA" or "PMA" directly on the article, on part packaging or on accompanying paperwork shall not be accepted by SAFRAN Electrical & Power unless specifically requested or allowed on Purchase Order.</p>	<p>S1</p>	<p>A, B, C, D, F</p>	<p>Part number ending with */BOEIN</p>
<p>L8.4.3j (Ex QR36)</p>	<p>APPLICATION OF ACCEPTANCE AUTHORITY MEDIA (AAM) Seller shall comply with the AS/EN/JISQ 9100 requirements and 14CFR Part 21.2 regarding the application of the Acceptance Authority Media (AAM) requirements. Seller shall, within its organization and its supply chain, ensure that the use of AAM is clearly defined within its Quality Management System (QMS).</p>	<p>All</p>	<p>A, B, C, D, F</p>	<p>All</p>

8.5. PRODUCTION AND SERVICES PROVISION

There are no additional requirements.

A vertical blue line / or text in green indicates a text updated compared to the previous edition.

8.5.1. Control of production and service provision

There are no additional requirements.

8.5.1.1 Control of equipment, tools and software programs

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.5.1.1a <i>(ex L7.6a)</i>	The supplier must use preventive and corrective maintenance plans for the manufacturing means, including machines and tooling, as well as maintenance instructions that define the operations to be performed. The supplier makes sure the availability of spare parts for critical parts and/or for wearing parts, which have been previously identified.	All	All	All
L8.5.1.1b <i>(ex L7.6b)</i>	The Supplier shall hold the complete drawing set of tools used to manufacture or test the products.	All	All	All
L8.5.1.1c <i>(ex QR22 A)</i>	TOOLING Tooling developed by a Supplier for use in manufacturing structural components which will interface with an aircraft is subject to SAFRAN Electrical & Power Quality and/or SAFRAN Electrical & Power Customer inspection and approval prior to use.	All	All	All
L8.5.1.1d <i>(ex QR22 C)</i>	If any tooling is reworked or modified or is a first time production run, the procuring supplier is responsible for First Article Inspection of that tooling. For parts manufactured to SAFRAN drawings/specifications, the FAI on the tooling is to be included in the initial certification package coming into the SAFRAN company from the supplier.	All	All	All



8.5.1.2 Validation and Control of Special Processes

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.5.1.2a (Ex QR14 A)	APPROVED SPECIAL PROCESSES/PROCESSORS Some products that SAFRAN Electrical & Power purchases require the use of customer designated special processes/process suppliers. For specific requirements, refer to the applicable customer paragraph below. Additional requirements may be listed on the SAFRAN Electrical & Power Purchase Order or on the Purchase Order Conditions and Exceptions.	All	All	All
L8.5.1.2b (Ex QR14 B)	A. If the Purchase Order is for Boeing designed items and the drawing identifies military specifications or Boeing processes, or supplier design items for which Boeing has established performance requirements by a specification control document/drawing or source control document/drawing, and that document/drawing identifies a Boeing process specification (BAC, BMS, BSS, etc.), then the supplier must be listed as an approved processor in D1- 4426, Boeing Approved Process Sources, or shall use approved processors listed in D1-4426. A Certificate of Conformance and / or equivalent Process Certificate, signed by an authorized agent of the Processor shall accompany all parts with Boeing Approved Processes delivered to SAFRAN Electrical & Power. The certificate shall include purchase contract number, part number(s), Trace Number (as applicable), Process Specification number w/revision and name and address of the Processor(s) performing each of the D1-4426 Process(es). Processing date for each detail parts of the part number delivered shall be traceable and available upon request. Supplier can obtain information on D1-4426 from: http://active.boeing.com/doingbiz/d14426/index.cfm .	All	All	Part number ending with */BOEIN

<p>L8.5.1.2c (Ex QR14 C)</p>	<p>B. If the Purchase Order is for Lockheed Martin (LM) designed items and the drawing identifies military specifications or LM processes, or supplier designed items for which LM has established performance requirements by a specification control document/drawing or source control document/drawing, and that document/drawing identifies an LM process specification (LAC, etc.), then the supplier must be listed as an approved processor in QCS-001 Lockheed Martin Special Process Certification, or shall use approved processors listed in QCS-001.</p> <p>The packing sheet, attachments, or C of C accompanying each shipment must reference the name of the QCS-001 listed processor(s) who accomplished the processing and the process(es) accomplished.</p> <p>LM approval of any processor shall not relieve the supplier of their obligation and liabilities under this Purchase Order.</p> <p>Supplier can obtain information on QCS- 001 from: http://www.lockheedmartin.com/us/aeronautics/materialmanagement/scm-quality/scm-quality_sqms.html</p>	All	All	Part number ending with */LOCMA
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<p>L8.5.1.2 d (Ex QR14 D)</p>	<p>C. If the Purchase Order is for Beechcraft Corp. designed items the following subparagraphs shall be effective; parts to be fabricated to Beechcraft blueprint and processing as outlined in BS25691, Control of Product Manufacturing Processes for Suppliers and Outside Production:</p> <p>1) If the drawing identifies military specifications or Beechcraft processes, or supplier designed items for which Beechcraft has established performance requirements by a specification control document/ drawing or source control document/ drawing, and that document/ drawing identifies an Beechcraft process specification, then the supplier must be listed as an approved processor in the Beechcraft Corp. Approved Processor List or shall use approved processors listed therein. The packing sheet, attachments, or C of C accompanying each shipment must reference the name of the approved listed processor(s) who accomplished the processing and the process(es) accomplished. Beechcraft approval of any processor shall not relieve the supplier of their obligation and liabilities under this Purchase Order.</p> <p>2) All preprocessed materials that are chemical filmed per MIL-C-5541 (Rev. E or higher) and primed per MIL-P-23377 (Rev. G or higher) which will have subsequent forming operations shall pass adhesion test per ASTM D522 Method A for flexibility and ASTM D2794 for impact at 60inch-pounds, using a 0.0625" diameter indenter with a minimum combined mass of the indenter and weight of 1045 grams</p> <p>3) Prime thickness of production parts and test panels shall be between 0.4 - 0.9 mils. Three test articles of 2024 bare aluminum 0.032" thick shall be processed with each production run and tested for flexibility, adhesion, impact resistance, and paint thickness.</p> <p>4) Castings bought directly by Beechcraft, Beechcraft prime or sub-tier suppliers, or procuring machine shops must have the casting blue print required documentation. For x-ray quality castings, if the x-ray casting house is approved by Beechcraft for the process of handling the inspection and retention of x-ray film, x-ray castings can be shipped direct to Beechcraft or procuring machine shop. Beechcraft internal Work Instructions 04-04-014 will be provided as a reference for the x-ray casting houses, as requested. The x-ray casting house must be on the Special Process Supplier Approved supplier list with code XRI. If any casting or forging tooling is reworked or modified, or, a first time production run, the procuring machine shop is responsible for First Article Inspection of that casting or forging. For parts manufactured to Beechcraft drawings/specifications, the FAI on the casting or forging is to be included in the initial certification package coming into Beechcraft from the machine shop</p> <p>5) If your company provides electronic components for Beechcraft, the solderability of parts must meet the requirements of J-STD-001 for solder, electrical & electronic assemblies, J- STD-002 for soldered tests for components leads, terminations, lugs, terminals and wires, J-STD-003 for test for printed boards, MIL-STD-750 Method 2026 for semiconductors and MIL-STD-853 for microelectronics, MIL-PRF-31032 for rigid, flexible and rigid-flex printed wiring boards, MIL-STD-202 Method 208 for all other parts. All affected components must be date coded twelve (12) months or newer from date of manufacture, and/or have a solderability test date which does not exceed twelve months from date of receipt at SAFRAN Electrical & Power. Supplier can obtain information on Beechcraft special processes and other requirements from: http://www.beechcraft.com/supply_chain/qa/ The approved Special Process Supplier list can be found on the Beechcraft Aircraft Company website: http://www.beechcraft.com/supply_chain/qa/#processes</p>	<p>All</p>	<p>All</p>	<p>Part number ending with */BEECH</p>
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<p>L8.5.1.2e (Ex QR14 E)</p>	<p>D. If the Purchase Order is for Bombardier designed items and the drawing identifies Bombardier processes, or supplier designed items for which Bombardier has established performance requirements by a specification control document/drawing or source control document/drawing, and that document/drawing identifies a Bombardier process specification shown on Bombardier's List of Specifications Requiring Approval, then the supplier must be listed as an approved processor on Bombardier's Approved Suppliers Listing or shall use approved suppliers listed therein.</p> <p>The packing sheet, attachments, or C of C accompanying each shipment must reference the name of the approved listed processor(s) who accomplished the processing and the process(es) accomplished.</p> <p>Bombardier approval of any processor shall not relieve the supplier of their obligation and liabilities under this Purchase Order.</p> <p>Supplier can obtain information on Bombardier special processes and other special requirements from: http://www.bombardier.com/en/aerospace/suppliers.html</p>	All	All	Part number ending with */BOMBA
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<p>L8.5.1.2f (Ex QR14 F)</p>	<p>E. If the Purchase Order is for EMBRAER S.A. designed items the following subparagraphs shall be effective;</p> <p>1) If the drawing identifies military specifications or EMBRAER processes, or supplier designed items for which EMBRAER has established performance requirements by a specification control document/drawing or source control document/drawing, and that document/drawing identifies an EMBRAER process specification, then the supplier must be listed as an approved processor in the EMBRAER Approved Processor List. The packing sheet, attachments, or C of C accompanying each shipment must reference the name of the processor(s) who accomplished the processing and the process(es) accomplished. EMBRAER approval of any processor shall not relieve the supplier of their obligation and liabilities under this Purchase Order.</p> <p>2) In the event that a supplier decides to contract a sub-tier to perform part of the process for a determined item for which only the supplier has been approved, the supplier must inform SAFRAN Electrical & Power about the situation and the reason of its decision. Neither SAFRAN Electrical & Power nor EMBRAER's knowledge of such event will relieve the supplier of their obligation to provide a certified conforming item according to the subparagraph 1 above.</p> <p>3) For EMBRAER's design Authority parts, Supplier shall purchase raw material components, and services from sources indicated or approved by EMBRAER Supplier Quality Assurance Department. In this case, Supplier shall comply with EMBRAER's quality requirements ("Quality Requirements") made available through the Internet at the Universal Resource Locator (URL) address: http://www.embraer.com.br/EQRS/index.html "quality requirements" folder, and shall flow down EQRS to sub-tiers. EMBRAER may revise the Quality Requirements twice a year, in June and/or December of each year. EMBRAER will post any revised version at www.embraer.com/ftp/pub – quality requirements. Failure to access the information at the aforementioned URL address does not relieve Supplier from its obligation to comply with EQRS to deliver Products that meet all contractual requirements. Supplier shall immediately notify SAFRAN Electrical & Power to obtain access to or a copy of EMBRAER's Quality Requirements if such URL address cannot be accessed for any reason.</p>	<p>All</p>	<p>All</p>	<p>Part number ending with */EMBRA</p>
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<p>L8.5.1.2 g (Ex QR14 G)</p>	<p>F. If the Purchase Order is for Sikorsky Aircraft Corporation designed items and the drawing identifies Sikorsky processes; The specifications governing the processes listed in the Sikorsky Aircraft Approved Source List for Special Processes and Laboratories are listed in Appendix A. https://suppliers.sikorsky.com Processing to any of these specifications, when stipulated by Sikorsky documents to be performed on Sikorsky designed parts and/or items procured to a Sikorsky part number, shall be accomplished by Sources that are included, or approved for inclusion, in the ASL. Special processing and laboratory testing performed by Sikorsky Subcontractors, as well as that conducted by their Suppliers and processing Sources, fall within the scope of this document and shall be approved by Sikorsky. The packing sheet, attachments, or C of C accompanying each shipment must reference the name of the approved processor(s) who accomplished the processing and the process(es) accomplished. Sikorsky approval of any processor shall not relieve the supplier of their obligation and liabilities under this Purchase Order.</p>	<p>All</p>	<p>All</p>	<p>Part number ending with */SIKOR</p>
<p>L8.5.1.2 h (Ex QR14 H)</p>	<p>G. If the Purchase Order is for Northrop Grumman Aerospace Systems designed items and the drawing identifies military specifications or Northrop Grumman processes, or supplier design items for which Northrop Grumman has established performance requirements by a specification control document/drawing or source control document/drawing, and that document/drawing identifies a Northrop Grumman process specification, then the supplier must be listed as an approved special processor in Northrop Grumman Approved Special Processor Listing (ASPL), or shall use approved processors listed in Northrop Grumman Approved Special Processor Listing (ASPL). The packing sheet, attachments, or C of C accompanying each shipment must reference the name of the approved special processor(s) who accomplished the processing and the process(es) accomplished. Northrop Grumman approval of any processor shall not relieve the supplier of their obligation and liabilities under this Purchase Order. Supplier can obtain information on Northrop Grumman (ASPL) from: https://oasis.northgrum.com/. The ASPL can found under Aerospace Systems – Legacy Integrated Systems.</p>	<p>All</p>	<p>All</p>	<p>Part number ending with */NORTH</p>
<p>L8.5.1.2i (Ex QR14 I)</p>	<p>I. If the Purchase Order is for Agusta Westland designed items, all suppliers and sub tier suppliers must be qualified under the Agusta Westland qualification system if any of the components supplied to SAFRAN Electrical & Power are considered to be Special Processes by Agusta Westland.</p>	<p>All</p>	<p>All</p>	<p>Part number ending with */AGUST</p>

<p>L8.5.1.2j (Ex QR14 J)</p>	<p>J. If the Purchase Order is for SAFRAN designed items, the following subparagraphs shall be effective; parts to be fabricated to SAFRAN engineering drawings and processing as outlined in the SAFRAN engineering data package: If the drawing identifies military specifications or SAFRAN processes, or supplier designed items for which SAFRAN has established performance requirements by a specification control document/ drawing or source control document/ drawing, and that document/ drawing identifies a SAFRAN process specification, then the supplier must be listed as an approved processor in the SAFRAN Special Processes list. The packing sheet, attachments or C of C accompanying each shipment must reference the name of the approved listed processor(s) who accomplished the processing and the process(es) accomplished. Processing date for each detail parts of the part number delivered shall be traceable and available upon request. SAFRAN approval of any processor shall not relieve the supplier of their obligation and liabilities under the Purchase Order.</p>	<p>All</p>	<p>All</p>	<p>Part number ending with */EMBRA</p>
<p>L8.5.1.2k (Ex QR14 K)</p>	<p>K. If the Purchase Order is for Bell Helicopter (BHT) designed items and the drawing identifies BHT processes, or supplier designed items for which BHT has established performance requirements by a specification control document/drawing or source control document/drawing, and that document/drawing identifies a Bell Process Specification requiring approval, then the supplier must be listed as an approved processor on BHT Document QPS-101 BHT Approved Process Sources or shall use approved suppliers listed therein. The packing sheet, attachments, or C of C accompanying each shipment must reference the name of the approved listed processor(s) who accomplished the processing, the process(es) accomplished and Process Specification Revision Level. BHT approval of any processor shall not relieve the supplier of their obligation and liabilities under this Purchase Order. Supplier can obtain information on BHT special processes and other special requirements from: https://bellportal.textron.com/</p>	<p>All</p>	<p>All</p>	<p>Part number ending with */BELLH</p>
<p>L8.5.1.2l (Ex QR14 L)</p>	<p>H. If the Purchase Order is for any other customer's designed items and the drawing identifies the customer's processes, or supplier designed items for which that customer has established performance requirements by a specification control document/drawing or source control document/drawing, and that document/drawing identifies that customer's process approval is required, then the supplier must be listed as an approved processor in the customer's approval documentation or shall use approved suppliers listed the customer's process approval documentation. The packing sheet, attachments, or C of C accompanying each shipment must reference the name of the approved listed processor(s) who accomplished the processing and the process(es) accomplished. Customer approval of any processor shall not relieve the supplier of their obligation and liabilities under this Purchase Order.</p>	<p>All</p>	<p>All</p>	<p>All except those mentioned above</p>

<p>L8.5.1.2 m (Ex QR18 A)</p>	<p>SOLDER, SOLDERABILITY AND SOLDERABILITY TESTING Electronic and other products containing solderability and/or solderability testing requirements as part of the process specification(s) must be accompanied by a certificate for solderability, as applicable: a) MIL-STD-750 method 2026 for semiconductors b) MIL-STD-883 method 2003 for microcircuits c) MIL-STD-202 method 208 for all other components Solderability testing of components shall be in accordance with joint industry standard IPC/EIA J-STD- 002.</p>	<p>All</p>	<p>A, B, C, D, F</p>	<p>All</p>
<p>L8.5.1.2 n (Ex QR18 B)</p>	<p>Applicable for Boeing Commercial Items The use of lead-free solder is prohibited.</p>	<p>All</p>	<p>A, B, C, D, F</p>	<p>Part number ending with */BOEIN</p>
<p>L8.5.1.2 o (Ex QR18 C)</p>	<p>Applicable for KC390 Items If your company provides electronic components for SAFRAN, the solderability of parts must meet the requirements of J-STD-001 for solder, electrical & electronic assemblies, J- STD-002 for soldered tests for components leads, terminations, lugs, terminals and wires, J-STD-003 for test for printed boards, MIL-STD-750 Method 2026 for semiconductors and MIL-STD-853 for microelectronics, MIL-PRF-31032 for rigid, flexible and rigid-flex printed wiring boards, MIL-STD-202 Method 208 for all other parts. All affected components must be date coded twelve (12) months or newer from date of manufacture, and/or have a solderability test date which does not exceed twelve months from date of receipt at SAFRAN Electrical & Power.</p>	<p>All</p>	<p>A, B, C, D, F</p>	<p>Part number ending with */EMBRA</p>

8.5.1.3 Production Process Verification

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.5.1.3a <i>(ex L7.3.1a)</i>	For an industrial validation, if the DVI is not imposed, the Supplier shall deliver a Qualification Dossier composed of all the documents drawn up by them to meet the quality, technical and industrialization requirements (Manufacturing and inspection dossier, test report and Definition Dossier).	All	All	limited to EWIS E & MATIS products including Part number with */D/*
L8.5.1.3b <i>(ex L7.3.1b)</i>	For an industrial validation, when the Supplier shall deliver a Definition Dossier to the Purchaser: <ul style="list-style-type: none"> • For all Standard Parts, Semi-finished products and materials it shall contain Suppliers technical definition ; • For all Specified Parts it shall contain a drawing and : <ul style="list-style-type: none"> ○ Specified part reference ○ Part designation ○ Name of the Suppliers and manufacturing site ○ CAGE code ○ Any other information required by this specific qualification project. 	All	All	limited to EWIS E & MATIS products including Part number with */D/*
L8.5.1.3c <i>(ex L7.3.1c)</i>	For an industrial validation, the Supplier shall propose a qualification plan for acceptance to the Purchaser. This plan contains <ul style="list-style-type: none"> - the test list - the list of the processes certified and/or scheduled to be certified by Nadcap, - the planning of the FAI - the inspection process. 	All	All	limited to EWIS E & MATIS products including Part number with */D/*



<p>L8.5.1.3d (ex L7.3.1d)</p>	<p>The test report defined in the qualification plan shall contain:</p> <ul style="list-style-type: none"> • Trade name, Manufacturer name and production site • CAGE code • Description of the product • Batch numbers, • Reference number of the production plan, • Reference of the corresponding materials specification, • Photographs of the test units, test equipment, test set-up/test rig • Amount of samples, • Test results and statement upon successful completion according to the QTP including single results and points where specification requirements are not met, • Confirmation that the test have been performed according to the QTP or justification for any deviation from the QTP 	All	All	limited to EWIS E & MATIS products including Part number with */D/*
<p>L8.5.1.3e (ex L7.3.1e)</p>	<p>The Supplier shall inform EWIS Eurasia and EWIS Americas and MATIS division of any changes in the manufacturing conditions (PUR04-04-IN101-F103 or PUR04-04-IN101-F103) and shall issue a supplement to the Industrial Substantiation Report for substantiation of the changes retained.</p>	All	All	All
<p>L8.5.1.3f (ex QR2 E)</p>	<p>Upon request from SAFRAN Electrical & Power, Supplier is required to provide SAFRAN Electrical & Power with current drawings, prints, technical and/or data sheets when:</p> <ol style="list-style-type: none"> a. SAFRAN Electrical & Power purchase order for an item is the first time buy, or b. Revision of item being supplied to SAFRAN Electrical & Power has changed from previous shipments 	All	All	All
<p>L8.5.1.3g (ex QR3 A)</p>	<p>PART REVISION LEVEL All parts supplied to meet Purchase Order requirements must be to the latest revision of the applicable drawing for source controlled part numbers, and/ or specifications/standards, including functional testing requirements. The latest drawing/specification revision is considered applicable unless otherwise stated in this Purchase Order. Note: In this context, source controlled part number items are all product designed by a SAFRAN Electrical & Power customer, or designed by the Supplier in cooperation with a SAFRAN Electrical & Power customer and designated by a SAFRAN Electrical & Power customer part number, or product manufactured to the requirements of a SAFRAN Electrical & Power customer standard drawing.</p>	All	All	All

L8.5.1.3h (ex QR9 E)	The supplier's system shall provide a process for the inspection, verification, and documentation of the first production article.	All	All	All
L8.5.1.3i (ex QR9 F)	First Article Inspection reports shall include a list of the characteristics required by the design data and any required tolerances, the actual results, and when testing is required, the results of the test.	All	All	All
L8.5.1.3j (ex QR9 G)	The First Article Inspection shall be updated to include changes to production processes, product configuration, or any other change that invalidates the previous first article inspection result. Any FAI performed after April 1, 2012 must comply with the guidelines of AS9102, Aerospace First Article Inspection Requirement.	All	All	All
L8.5.1.3k (ex QR9 H)	For FAI's for Northrop Grumman products, the following fields in the AS9102 FAI Report Form 1 are mandatory: 11, 12, 21, 22, 23 and 24. All Conditionally Required (CR) fields on FAI Report Forms 2 and 3 shall be completed.	All	All	Part number ending with */NORTH
L8.5.1.3l (ex QR9 I)	In addition, any FAI report form generated shall not contain open fields. To ensure each field of the FAI has been reviewed, the supplier shall mark all open or unused fields "N/A".	All	All	All
L8.5.1.3m (ex QR9 J)	If a purchase order item is for a KC390 program designed item, process validation must be performed using Dossier Validation Industrialization (DVI) guidelines. The validation shall be performed according to SAFRAN document GRP0087, Part C, latest revision. Copies of this document may be obtained from SAFRAN Electrical & Power.	All	All	Part number ending with */EMBRA
S8.5.1.3n (ex QR9 L)	Beechcraft specific requirement: First article inspection or delta FAI, and functional test must be carried out on one (1) item for the first production batch. Any subsequent change, or an interruption to the production or manufacturing process in excess of eighteen (18) months or a configuration change shall require a first article inspection report and test from supplier. A first article inspection report must be included with all first article shipment or be made available to Buyer upon request for identified programs	All	All	Part number ending with */BEECH

8.5.2. Identification and traceability

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.5.2a <i>(ex QR3 B)</i>	For structural product: When physically possible, the supplier shall mark the engineering revision of the materials adjacent to the part number in accordance with MIL-STD-130. The revision is defined as the Revision of the drawing or the latest engineering change, whichever is higher. If the drawing is a "No Change", the letters "N/C" shall be used. Failure to mark the engineering revision will result in rejection of the materials.	All	All	Part number ending with */NORTH

8.5.3. Property belonging to customers or external providers

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.5.3a <i>(ex QR24)</i>	CONTROL OF EXCESS INVENTORY Supplier shall strictly control all inventory of SAFRAN Electrical & Power or its customers' proprietary product in excess of contract quantity in order to prevent product from being sold to any third party without prior written authorization from SAFRAN Electrical & Power or its customer(s).	All	A, B, C	All
L8.5.3b NEW	The provider shall clearly identify the tooling owned by Safran Electrical & Power and maintain the list of those tooling	All	All	All

8.5.4. Preservation

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.5.4a <i>(ex L7.5.5a)</i>	The Supplier – jointly with EWIS Eurasia or EWIS Americas or MATIS division at the industrialization stage – shall plan and handle the packaging, packing, identification, protection, handling and storage of the product.	All	All	All
L8.5.4b <i>(ex L7.5.5b)</i>	For mechanical parts, the product must be packaged according to the PUR04-04-IN001-A103, unless specified in the product requirements.	All	A, B, C, D, F	All

L8.5.4c (ex QR17 a)	ESDS PACKAGING INSTRUCTIONS ESDS packaging shall be in accordance with MIL-PRF-81705, Barrier Materials, Flexible, Electrostatic Protective, Heat-Sealable, unless otherwise specified in the procurement specification. MIL-PRF-81705, type II (antistatic) material shall not be used without external field shielding. The external field shielding material shall conform to MIL-PRF-81705 type I or III or EIA-541.	All	All	All
L8.5.4d (ex QR17 b1)	ESDS part handling shall be in accordance with ANSI ESD S20.20	All	All	All except */BOEIN
L8.5.4e (ex QR17 b2)	For parts supplied for Boeing programs, ESDS part handling shall be in accordance with BAC5485	All	All	Part number ending with */BOEIN
L8.5.4f (ex QR19)	SPLIT LOT REQUIREMENTS Whenever possible, materials delivered on this Purchase Order will be from one manufacturing lot. Shipments from more than one manufacturing lot will be packaged and labeled separately.	All	A, B, C, D, F	All
L8.5.4g (ex QR30)	FOREIGN OBJECT DAMAGE / DEBRIS PREVENTION Supplier is required to have a system for prevention, detection and removal of foreign objects. For guidance, see EN/AS9146.	All	All	All

8.5.5. Post-delivery activities

There are no additional requirements.

8.5.6. Control of changes

There are no additional requirements.

8.6. RELEASE OF PRODUCTS AND SERVICES

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L8.6a (ex QR2 A)	CERTIFICATE OF COMPLIANCE / CONFORMANCE Compliance/Conformance must be included with the packing sheet for each shipment.	All	All	All
L8.6b (ex QR2 B)	The Certificate of Compliance/Conformance must be signed by an authorized agent.	All	All	All
L8.6c (ex QR2 C)	Certificates of Compliance/Conformance which have within their body words to the effect, "...to the best of our knowledge the Product conforms....." are prohibited.	All	All	All



<p>L8.6d (ex QR2 D)</p>	<p>The supplier may use a Certificate of Compliance/Conformance of his own design; however, the following information must be included:</p> <ol style="list-style-type: none"> a. Purchase Order number b. Part number c. SAFRAN Electrical & Power stocking part number (7xxxxxxxx) when designated on Purchase Order d. Quantity e. Manufacturing lot number and/or date of manufacture and/or date code and/or serial number. <p><i>Alternative traceability documentation may be accepted by SAFRAN Electrical & Power if the product being supplied is a generic, Mil-Spec, catalog, or off-the-shelf item and the parts, parts packaging, or the documentation provided contains another means of traceability back to the lot number and/or date of manufacture and/or date code and/or serial number.</i></p> <ol style="list-style-type: none"> f. When multiple traceability numbers are declared in COC, a quantity reference for each traceability number provided is needed (Refer to item e). Also refer to L8.5.4e for packaging condition. g. Name of True manufacturer - Distributors must have access to the original manufacturer's signed C of C and either include the true manufacturer information on their C of C along with a statement indicating their ability to trace product to the true manufacturer, provide the original manufacturer's signed C of C or provide a legible copy of such C of C for each item supplied to SAFRAN Electrical & Power. h. Manufacturing address if purchased part is manufactured/assembled to a customer controlled/qualified source list, Refer to L8.4.1 of this document.. i. Documented compliance to: <ol style="list-style-type: none"> 1) Applicable Drawings and Specification(s). 2) Regulatory requirement(s) 3) Revision level or issue date for all Source Controlled Part Numbers, or as requested in Purchase Order. <p><i>In this context, source controlled part number items are:</i></p> <ul style="list-style-type: none"> - all product designed by a SAFRAN Electrical & Power customer, - designed by the Supplier in cooperation with a SAFRAN Electrical & Power customer and designated by a SAFRAN Electrical & Power customer part number - product manufactured to the requirements of a SAFRAN Electrical & Power customer standard drawing - product designed by SAFRAN Electrical & Power. j. Shelf life, cure date, lube date, expiration date, as applicable to the product being supplied. k. Signature of authorized agent. l. Date <p>Note: This requirement may be met by information contained on verifiable accompanying documents.</p>	<p>All</p>	<p>All</p>	<p>All</p>
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L8.6e (ex QR2 F Note 1)	Distributor will provide a copy of the original manufacturer's test report/data when required by the applicable part specification for the item(s) being supplied.	All	All	All
L8.6f (ex QR4 A)	TIME AND TEMPERATURE SENSITIVE (TATS) / SHELF LIFE The shelf life and expiration date of parts/materials subject to degradation with age or temperature (as defined by the manufacturer or contract) must be clearly stated on the certification, product, and/or packaging.	All	All	All
S*8.6g (ex QR4 B)	Parts/materials shall have 80% or 1 year of the shelf life (unless otherwise specified on the PO) remaining at the time of receipt by SAFRAN Electrical & Power.	All	All	All
L8.6h (ex QR4 C)	All items must be properly packed, and identified with part number, quantity, manufacturer, lot number, expiration date, storage temperature requirements, and other relevant data, as applicable.	All	All	All
L8.6i (ex QR4 D)	Material that is to be shipped/stored at 40° F (ie 4° C) or less requires special temperature labels to be attached to exterior of each package. Labels shall reflect the words "temperature sensitive material" and the maximum material storage temperature allowed.	All	All	All
L8.6j (ex QR9 A)	PROCESS VALIDATION (FAI / DVI) First Article Inspection report(s) for source controlled part number items must accompany your first shipment of such part(s) in satisfaction of this Purchase Order.	All	All	All
L8.6k (ex QR9 B)	Note 1: In this context, source controlled part number items are all product designed by a SAFRAN Electrical & Power customer, or designed by the Supplier in cooperation with a SAFRAN Electrical & Power customer and designated by a SAFRAN Electrical & Power customer part number, or product manufactured to the requirements of a SAFRAN Electrical & Power customer standard drawing, or product designed by SAFRAN Electrical & Power	All	All	All
L8.6l (ex QR9 C)	Note 2: Effective January 1, 2016, Customer Designed Standard Parts (Examples: Airbus ABS-series, Boeing BAC-series, Lockheed C-series, Northrop Grumman NG-STD, etc) are exempt from the requirement to provide the FAI Report with the first delivery to SAFRAN Electrical & Power, unless specifically noted on the Purchase Order. Suppliers are required to perform First Article Inspections for such products in accordance with this Quality Requirement and to retain the FAI Reports as Quality Records. (Refer to L7.4b).	All	All	All
L8.6m (ex QR9 D)	Note 3: Upon direction from SAFRAN Electrical & Power, Supplier shall be required to upload FAI Records digitally into an applicable software application, such as Net-Inspect.	All	All	All

<p>L8.6n <i>(ex QR29)</i></p>	<p>RETURNING REWORK / REPAIRED COMPONENT PARTS Parts returned to the supplier under an order for Rework/Repair will be accompanied by proof of supplier's inspection acceptance when resubmitted to SAFRAN Electrical & Power. Component parts returned to SAFRAN Electrical & Power after being returned to the supplier under an order for Rework/Repair will be accompanied by proof of supplier's test data and inspection acceptance. When no fault is found by the supplier, resubmitted parts will also be accompanied by a copy of or reference to the applicable SAFRAN Electrical & Power rejection tag(s).</p>	All	All	All
<p>L8.6o <i>(ex QR33)</i></p>	<p>CHEMICAL OR HAZARDUS MATERIALS As required by the Occupational Safety and Health Administration (OSHA), the chemical supplier is to send SAFRAN Electrical & Power a Safety Data Sheet (SDS) for each initial chemical supplied under this purchase order, and any subsequent chemical supplied hereunder, wherein the chemical supplier has made corrections, deletions, or alterations of any kind to the SDS. The SDS sheet is to be supplied with material shipment.</p>	All	All	All
<p>L8.6p <i>(ex QR37)</i></p>	<p>DELEGATED PRODUCT RELEASE VERIFICATION When Seller delegate's product verification, Seller shall conform to the requirements of AS9117, "Delegated Product Release Verification," as may be amended from time to time.</p>	All	All	All
<p>L8.6q <i>(ex QR38)</i></p>	<p>OPERATOR SELF-VERIFICATION PROGRAM If Seller uses an Operator Self-Verification (OSV) program, Seller shall comply with the requirements set forth in SAE industry standard AS9162, "Aerospace Operator Self Verification Programs", as may be amended from time to time.</p>	All	All	All

8.7. CONTROL OF NON-CONFORMING OUTPUTS

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
<p>L8.7a <i>(ex L8.3a)</i></p>	<p>Non-Conformed Products and procurements shall be isolated in a specific and locked area. A list of products present in this area must be done and updated.</p>	All	All	All



<p>L8.7b (ex QR21 B)</p>	<p>In the event an item has received MRB disposition for quantities that would affect multiple shipments, a copy of the MRB must be contained within each individual shipment. When a supplier requests that nonconforming parts be reviewed by the SAFRAN Electrical & Power Material Review Board, SAFRAN Electrical & Power Purchasing/Material will coordinate efforts between Supplier, SAFRAN Electrical & Power Engineering and Quality MRB prior to executing a Supplier Nonconformance Notification (SNN) form. Once coordination has been accomplished, document the request on an SNN form, available on the SAFRAN Electrical & Power Partners' Network Complete the SNN Form then forward to SAFRAN Electrical & Power. SAFRAN Electrical & Power approval is required prior to any shipment</p>	All	All	Part number ending with */BOEIN
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9. PERFORMANCE EVALUATION

Sub-chapters in this section are based on Chapter 9 of the SAFRAN referential: SAFe – GRP-0087.

There are no additional requirements.

9.1. MONITORING, MEASUREMENT, ANALYSIS AND EVALUATION

9.1.1. General

There are no additional requirements.

9.1.2. Customer satisfaction

There are no additional requirements.

9.1.3. Analysis and evaluation

There are no additional requirements.

9.2. INTERNAL AUDITS

There are no additional requirements.

A vertical blue line / or text in green indicates a text updated compared to the previous edition.

9.3. MANAGEMENT REVIEW

There are no additional requirements.

9.3.1. General

There are no additional requirements.

9.3.2. Management review inputs

There are no additional requirements.

9.3.3. Management review outputs

There are no additional requirements.

10. IMPROVEMENT

Sub-chapters in this section are based on Chapter 6 of the SAFRAN referential: SAFe – GRP-0087.

10.1. GENERAL

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L10.1a (ex L8.1b)	<p>The supplier must present to SAFRAN ELECTRICAL & POWER, in case of gap against a purchase order (Nonconformance, Late delivery, missing parts,...) upon request:</p> <ul style="list-style-type: none"> • a root cause analysis • a list of corrective and preventive action • the related action plans • the results of efficiency of the action performed 	All	All	All
L10.1b (ex QR16)	<p>Within Ten working days of receiving a Supplier Corrective Action Request (SCAR) from SAFRAN Electrical & Power, the supplier shall provide a statement of corrective action using the SAFRAN Electrical & Power provided format. SCAR's may be issued for failures of supplier furnished material or failures within their Quality Management System. When a containment action is required, the supplier shall respond within 24 hours. All rejected material resubmitted by supplier to SAFRAN Electrical & Power shall bear adequate identification, including reference to SAFRAN Electrical & Power rejection document.</p> <p>In the event hardware delivered on any Purchase Order is rejected and returned by SAFRAN Electrical & Power to the supplier, and the supplier is unable to confirm the reported failure, the supplier shall provide the following to SAFRAN Electrical & Power and hold shipment pending SAFRAN Electrical & Power disposition:</p> <ol style="list-style-type: none"> Purchase Order number Part number designated on Purchase Order. Lot number and/or date of manufacture and/or date code Serial number(s) SAFRAN Electrical & Power rejection number Applicable test procedures Results of special tests performed by seller <p>Corrective Action Response Extensions – SAFRAN Electrical & Power may grant the supplier an extension for their corrective action response on a case-by-case basis. Suppliers may formally request a time extension at least forty- eight (48) hours prior to the assigned corrective action response due date. Requests must be in writing with adequate justification documenting the status of the investigation, containment actions implemented, revised corrective action completion dates and a listing of previous actions taken toward implementation of effective preventive action, as applicable.</p>	All	All	All



10.2. NONCONFORMING AND CORRECTION ACTION

There are no additional requirements.

10.3. CONTINUOUS IMPROVEMENT

Complementary to SAFe requirements associated to this sub-chapter:

Identification	Description	Activity Sectors impacted	Activity Types impacted	Customer impacted
L10.3a (ex L8.1a)	The supplier must use standard method such as 5Whys, Ishikawa, 8D, 5S FMEA or demonstrate that equivalent tools are deployed	All	All	All

DOCUMENT ADMINISTRATION

The following chapters contain administration data concerning the document. This data is linked to SharePoint attributes and must not be removed or modified by the author of the document.

REVISION HISTORY

Expiry date | 6/30/2023

History | Version 1.0: Update following EN/AS9100 and GRP-0087 new architecture + EWIS-E/EWIS-A supplier requirement consolidation

APPLICABLE DOCUMENTS

Applicable SAFRAN GRP's | GRP-0087

External Applicable Documents

Applicable Safran Electrical & Power Instructions

Applicable Safran Electrical & Power Appendices and Forms | PUR-04-04-IN001-A102 Mechanical Parts Statement of Work
 PUR-04-04-IN001-A103 Packaging specification
 PUR-04-04-IN001-F002 SAFRAN Electrical & Power requirements compliance matrix
 PUR-04-04-IN001-F103 Change notification form CNF