

**Document Number:**  
**LP0QS0-0003DIR**

**Title:**  
**LP Supplier Quality Management System Handbook**

**PO Document Level:**

- Level 0 (Policy)
- Level 1 (Directive)
- Level 2 (Process)
- Level 3 (Procedure)
- Level 4 (Working Document)

**Purpose:**

The purpose of this document is to provide Suppliers and their lower tiers standard requirements for their Quality Management System.

**Scope:**

This document is applicable to all Suppliers and their lower tiers supplying Lilium eAircraft GmbH (hereinafter also referred to as "Lilium") with flying parts and/or services used for aircraft manufacturing.

**Released By:**

Position / Role	Name	Date	Signature
CMO & Acc. Mgr. PO	On File	13.01.2021	On File
PO Quality Mgr.	On File	12.01.2021	On File
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01	First Issue	<b>On File</b>	<b>28.04.2020</b>
02	Added Certificate of Conformance requirements, associated appendixes (3, 4), and clarified roles.	<b>On File</b>	<b>20.05.2020</b>
03	Formal changes indicated with black line left / General administrative edits and addition of QMS requirements for Deliverable Software and Distributors.	<b>On File</b>	<b>26.06.2020</b>
04	Added First Article Inspection, Production Part Approval Process, Key Characteristics, Delegation, Concessions, and Accompanying Documentation requirements. Change to company reference from Lilium GmbH to Lilium eAircraft GmbH.	<b>On File</b>	<b>08.09.2020</b>
05	General administrative updates through-out the document.  Incorporation of the Lilium Quality Assurance Requirements for Suppliers.	<b>On File</b>	<b>30.11.2020</b>

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# 1. Definitions and Acronyms

## 1.1. Definition of terms

Terms used in this Document and not of general understanding and common sense are described below

<i>Term</i>	<i>Definition</i>
<i>Advanced Product Quality Planning</i>	A structured process that drives a quality focused approach to product development through the use of a phased planning process within which specific deliverables are established, monitored, and tracked to closure, while highlighting and mitigating risks as they are identified.
<i>Certificate of Conformance</i>	A document issued by the supplier to confirm that the delivered products fulfill the relevant specification, applicable design data (e.g. drawing) and purchase order requirements.
<i>Concession</i>	A Concession is a Design Organization approval with a unique reference number giving acceptance for use or release to a product that shows a deviation to the specified design data
<i>Deliverables</i>	Items or documents (outputs) completed as part of the APQP process.
<i>Item</i>	A part, product or equipment.
<i>First Article Inspection</i>	Also referred to as production process verification (PPV) a planned, complete, independent, and documented inspection and verification process to ensure that prescribed production processes have produced an item conforming to engineering drawings
<i>Subtier</i>	A company contracted by the Supplier to furnish product, parts, raw materials or services to the Supplier or Lilium.
<i>Supplier</i>	A company directly contracted by Lilium to supply flying products, parts, raw material, or aircraft manufacturing to Lilium .

## 1.2. Acronyms (Document specific only)

Below list identifies all acronyms used in this Document

<b>Acronym</b>	<b>Description</b>
CB	Certifying Body
CofC	Certificate of Conformity
COTS	Commercial off the Shelf
EASA	European Union Aviation Safety Agency
FAA	Federal Aviation Administration
FAI	First Article Inspection
LBA	Lufffahrt Bundesamt
NDA	Non-Disclosure Agreement
OP	Other Party
PO	Purchase Orders
PPAP	Production Part Approval Process
QMS	Quality Management System
SCQE	Supply Chain Quality Engineer

## 2. References to other documents

Doc.Ref.	Document full name
ARP/EN/SJAC 9136	Root Cause Analysis and Problem Solving (9S Methodology)
AS/EN/JISQ 9100	Certified Quality Management System Norm in Aviation and Space
AS/EN/JISQ 9103	Variation Management of Key Characteristics
AS/EN/SJAC 9102	Aerospace First Article Inspection Requirement
AS/EN/SJAC 9115	Quality Management Systems - Requirements for Aviation, Space and Defense Organizations - Deliverable Software
AS/EN/SJAC 9120	Quality Management Systems /Requirements for Aviation Space and Defense Distributors
AS/EN/SJAC 9131	Aerospace Series - Quality Management Systems - Nonconformance Data Definition and Documentation
AS/EN/SJAC 9145	Requirements for Advanced Product Quality Planning and Production Part Approval Process
AS/EN/SJAC 9146	Foreign Object Damage (FOD) Prevention Program - Requirements for Aviation, Space, and Defense Organizations
ISO 9001	Certified Quality Management System Norm
LP0POE0000POL	Production Organization Exposition
LP0SP00001DIR	LP Procurement and Supplier Management
Part 21G POA	Production Organization Approval according to EU regulation 748/2012 Subpart G

## 3. Roles and Responsibilities

Role / Function	Description
Supply Chain Quality	Is the Liliam Organization responsible for executing and managing the Liliam and Supplier interfaces mentioned within the Supplier Quality Management System Handbook.
Supply Chain Quality Engineer	It is the Supply Chain Quality Engineer's responsibility to verify and validate compliance to this directive and where mentioned the primary point of contact for the Supplier.
Supplier	It is the Supplier's responsibility to ensure that their Quality Management System and the Quality Management System of their subtiers operate in accordance with this Directive.

#### 4. General Policies

Customer safety and satisfaction within the business of Lilium requires that flight and product safety be our highest value.

Product and flight safety are greatly influenced by our Suppliers. Therefore, the Supplier's ability to supply conforming, reliable, and safe parts and products that meet our Lilium quality requirements is mandatory for the sourcing of flying parts, products, and appliances.

To achieve Lilium's high quality standards and be competitive on the market, Suppliers and Lilium must work cooperatively to apply a consistent Quality Management System and execute continuous improvement.

The Quality Management Requirements represented in this document are mandatory and to be applied by all Suppliers and their lower tiers for business with Lilium.

**ATTENTION:** To secure its application, this document will be referenced as applicable within contracts, purchase orders or any other contractual documents between Lilium and Suppliers.

The content of this document needs to be proven by the Supplier during the initial supplier approval by Lilium and to be maintained throughout the validity of the contract duration. The Lilium Supply Chain Quality Organization by executing supplier control, surveillance and auditing will ensure this throughout the duration of the Supplier contract.

To get a record of evidence for the application of this document, Appendix 2 needs to be completed and signed by the Supplier and Lilium. The signed "Supplier Compliance Agreement" shall be handled as part of the general Supplier contract and maintained on file by both the Supplier and Lilium.

The Supplier shall also obligate its subtier suppliers to comply with the duties and obligations upon it according to the Lilium Supplier Quality Management System Handbook.



## 5. Supplier Quality Management Systems Classification

Lilium's requirements for our Supplier's QMS are as follows:

### **A - Type QMS**

The Supplier can confirm holding a Part 21G Production Organization Approval in accordance with EU Regulation 748/2012 or similar regulations given by other aviation authorities like e.g. FAA. This Supplier acts with a quality mind set in accordance with this document and can supply goods with an Authorized Release Certificate e.g. EASA Form 1, FAA Form 8130-3 and documentation according to section 14.

### **B - Type QMS**

The Supplier has implemented and proven compliance with AS/EN/JISQ 9100, by having received a certification from an AS/EN/SJAC 9104-001 accredited organization indicating his company is AS/EN/JISQ 9100 approved and maintains this certification. This Supplier acts with a quality mind set in accordance with this document and must supply goods with a CofC and documentation according to sections 13 and 14 respectively.

### **C - Type QMS**

The Supplier has implemented and proven compliance with ISO 9001, by having received a certification indicating his company is ISO 9001 approved and maintains this certification. This Supplier acts with a general quality mind set, however in terms of aviation business with Lilium must adapt his QMS in accordance with section 6 of this document and must supply goods with a CofC and documentation according to sections 13 and 14 respectively.

### **D - Type QMS**

The Supplier has none of the previously described Quality Management Systems. To conduct business with Lilium the Supplier prior to signing the compliance agreement fully accepts to implement the QMS requirements given by this document. The Supplier must secure within an adequate time frame, at minimum, an AS/EN/JISQ 9100 certification to become an approved Lilium Supplier. Until such time, this Supplier in terms of aviation business with Lilium must supply goods with a CofC and documentation according to section 13 and 14 respectively in addition to an onsite inspection of finished goods conducted by a Lilium Supply Chain Quality Engineer (or approved delegate) prior to each delivery.

### **E - Type QMS (Deliverable Software ONLY)**

Suppliers whose products are deliverable software shall maintain a Quality Management System in accordance with AS/EN/JISQ 9115. This Supplier acts with a quality mind set in accordance with this document and must supply software with a CofC and documentation according to sections 13 and 14 respectively .

### **F - Type QMS (Distributors ONLY)**

The Distributor has implemented and proven compliance with AS/EN/JISQ 9120, by having received a certification from an AS/EN/SJAC 9104-001 accredited organization indicating his company is AS/EN/JISQ 9120 approved and maintains this certification. This Supplier acts with a quality mind set in accordance with this document and must supply goods with documentation according to section 14.

## 6. Supplier Quality Management System Requirements

Requirements given within Appendix 1 of this document are linked to quality standards expressed in AS/EN/JISQ 9100.

The Supplier must review Appendix 1 and AS/EN/JISQ 9100 in its entirety to establish which requirements they must implement in their Quality Management System.

**ATTENTION:** To demonstrate compliance with the requirements of Part 21 Subpart G, specific sub-sections of AS/EN/JISQ 9100 chapters have been mapped to Part 21 Subpart G, GM 21.A.139(b)(1). These chapters are denoted by a “R\*” in Appendix 1.

## 7. General Supplier Quality Management System Requirements

The following requirements must be applied by each Supplier according to the classification in section 5 of this document.

### 7.1. Requirements for all Suppliers

The Supplier must immediately notify their Liliam Supply Chain Quality Engineer if there are major changes to their Quality Management System or certification (e.g. major findings, decertification, change in management, change in location).

The Supplier must implement procedures that ensure Liliam is aware of Quality Management System non-conformities and has access to detailed information within these non-conformities.

In the event a Liliam conducted audit or assessment, or the Supplier itself identifies a QMS or technical non-conformity, the Supplier shall conduct and submit corrective action in accordance with ARP/EN/SJAC 9136, Root Cause Analysis and Problem Solving (9S Methodology).

When requested by the competent authority (e.g. EASA, FAA, LBA) the Supplier must provide the authority right of access to facilities. Reasonable restrictions made by Supplier to protect its business secrets shall be respected.

### 7.2. Requirements for Suppliers with OP Certifications

The OP (CB) services agreement provides for “right of access” to all OP (CB) records by Liliam as such the Supplier must grant Liliam the right of access and review OP audit results, findings and associated corrective actions.

The Supplier must grant Liliam the right to conduct audits of their Quality Management System and issue non-conformances regardless of certification or Liliam approval status.

During an OP (CB) audit the Supplier must provide the OP (CB) access to Liliam proprietary data exclusively to the level absolutely necessary and requested to support the audit. The Supplier must ensure compliance with contractually imposed NDA and export control requirements.

When requested the Supplier must grant Liliam access to their IAQG OASIS Level 2 assessment results.

When requested by the competent authority (e.g. EASA, FAA, LBA) the Supplier must provide the authority access to review OP audit results, findings and associated corrective actions.

### 7.3. Requirements for Suppliers without OP Certifications

For the purposes of implementation of this directive, the Supplier must purchase and keep on record a copy of the latest release of the below standards:

Doc.Ref.	Document full name
AS/EN/JISQ 9100	Certified Quality Management System Norm in Aviation and Space
AS/EN/JISQ 9115	Quality Management Systems - Requirements for Aviation, Space and Defense Organizations - Deliverable Software

The Supplier must grant Lilium access to review their Quality Management System, audit plans, and audit reports regardless of certification or Lilium approval status.

The Supplier must grant Lilium the right to conduct regular audits of their Quality Management System.

## 8. Supplier First Article Inspection Requirements

### 8.1. General First Article Inspection Requirements

The Supplier shall perform a First Article Inspection for a part number if any of the following conditions occur:

- First time product is manufactured for production,
- A change in the design affecting fit, form, function and/or interchangeability of the part,
- A change in manufacturing source(s), process(es), inspection method(s), acceptance criteria, location of manufacture, tooling, or materials,
- A change in numerical control program or translation to another media that is utilized to produce end item parts,
- A natural or man-made event, which may adversely affect the manufacturing process,
- A lapse in production for two years, or as specified by Lilium,
- Product related needs, e.g. occurrence report, or
- As requested by Lilium and/or demand from the Authority.

Unless contractually required, a FAI does **NOT** apply to:

- Development and prototype parts that are not considered as part of the first production run.
- Unique single run production orders, not intended for serial production (e.g., out-of-production spares).
- Procured standard catalogue items, COTS, or deliverable software.

The inspection shall include, but not be limited to a complete documented verification of all dimensions, features, notes, and specifications identified in the contract and on all provided key characteristics.

For any changes to the product, a partial FAI of the only the applicable changes are required. Additionally, the Supplier shall ensure that all operations outsourced conform to AS/EN/SJAC 9102, "Aerospace First Article Inspection Requirement".

### 8.2. First Article Inspection Report Requirements

The Supplier must utilize the most current version of AS/EN/SJAC 9102 for their First Article Inspection, utilizing AS/EN/SJAC 9102 Forms 1, 2, and 3 or equivalent forms containing all "Required" and "Conditionally Required" information as outlined in AS/EN/SJAC 9102.

The Supplier must submit the FAI report and copies of the supporting documentation as evidence of conformance to this requirement during any on-site inspection of the product.

When requested, the Supplier must also provide evidence of inspections performed to verify conformance of subsequent build lots/shipments.

Before the start of series production and prior to shipment, the Supplier shall submit to Lilium in accordance with the agreed time schedule electronic copies of the First Article Inspection (FAI) Reports and all supporting documentations\*.

The electronic First Article Inspection (FAI) Reports shall follow the below naming convention:

[Part Number]\_[Lilium Supplier ID] \_Ver[XX].pdf  
Example: A-F531010A001-A\_7000001\_Ver01.pdf

A Lilium on-site inspection may be required prior to the release of finished goods. The Supplier shall support the on-site inspection in accordance with the agreed time schedule.

The Supplier shall retain all records pertaining to the First Article Inspection Report as set forth section 15.2.

\*Supporting documentation may include certificates of conformance for raw materials and special processes (as defined in the AS/EN/SJAC 9102 specification and identified on the engineering drawing), drawings, and test reports.

### **8.3. Deliverable Software First Article Inspection Requirements**

Requirements for FAI of Deliverable Software are embedded in AS/EN/SJAC 9115 under the Control of Production and Service Provision.

For software product configuration verification, configuration audits must be performed by the Supplier to determine whether a product conforms to its performance and functional requirements, and the as-built technical documentation. A configuration audit of software shall be performed by the Supplier to verify:

- All design and development activities, data, and documents are complete and documented information retained,
- All problem reports and change requests are identified and dispositioned,
- The build instructions to ensure the deliverable object code can be regenerated from the source code,
- Software requirement deviations are recorded and approved,
- The software can be loaded into the target computer and initialized,
- The software was tested and accepted in accordance with the requirements,
- Traceability exists from the software product to the requirements,
- The software and its media are correctly identified and protected from overwrite,
- The software and its media are corruption free,
- The software and its media are free of malicious code (e.g., viruses, mal-ware); and
- The source code is identified and under configuration control.

The above objectives can be verified by the accumulation of evidence throughout the software life cycle and audits of the configuration management system can be addressed through internal Supplier audits and/or the planned Lilium audit activities.

## 9. Supplier Production Part Approval Process Requirements

The Supplier shall perform PPAP according to AS/EN/SJAC 9145.

If the Supplier has a new part introduction, change in the process, material, or relocation in production site he should immediately inform Liliam, review the changes and send an initial PPAP form submission to their responsible Supply Chain Quality Engineer. The Supplier must use the form included in AS/EN/SJAC 9145 to submit the specified contents of the PPAP.

The Supplier must identify the applicable PPAP elements, including specific requirements from Liliam. All elements in the Table 1 are required unless the element isn't applicable to the activities performed by the Supplier.

The Supplier must also develop a PPAP file for the products requiring PPAP. These PPAP documents must be maintained and ensure accessibility as required. If changes to the product and/or the process proceed, the Supplier must inform their Supplier Chain Quality Engineer.

A formal PPAP approval is required for the shipments of parts to Liliam. The Supplier must wait until Liliam has reviewed the PPAP package and gives positive feedback. Product is not to be shipped unless Liliam approval is received in writing Verbal approval is unacceptable!

**Table 1, List of Production Part Approval Process (PPAP) Element**

Production Part Approval Process (PPAP) Elements	
1	Design Records
2	Design Risk Analysis (e.g. DFMEA) only applicable to design organization
3	Process Flow Diagram
4	Process Failure Mode and Effects Analysis (PFMEA)
5	Control Plan
6	Measurement System Analysis (MSA)
7	Initial Process Capability Studies
8	Packaging, Preservation and Labelling Approvals
9	First Article Inspection Report (FAIR)
10	Customer PPAP Requirements
11	PPAP Approval Form (or equivalent)

Reference Appendix 3, Description of PPAP Elements.

## 10. Supplier Product / Process Key Characteristics Requirements

Suppliers shall establish within their Quality Management System a system for the variation management for Key Characteristic according to AS/EN/JISQ 9103, Variation Management of Key Characteristics.

The Lilium "Product / Part Key Characteristics Definition Sheet" or equivalent digital system is the agreed upon template in which all identified product and/or process Key Characteristics are documented, and quality measurements results reported back to Lilium.

The Supplier shall ensure that the identified Product / Part Key Characteristics are incorporated into control plans, measured, and controlled at all levels of their supply chain i.e. Supplier, Supplier N-1, Supplier N-1, etc.

During series production, the Supplier shall demonstrate the capability of the process for all Product / Part Key Characteristic and manage and control each by using suitable techniques (e.g. statistical process control and digital control charts) throughout the entire production period.

When requested the Supplier shall complete section two of the "Product / Part Key Characteristics Definition Sheet" with, their own and their responsible subtier Suppliers, the in-process or final measurements associated with each Product / Part Key Characteristic and share digitally to Lilium. This includes the results of any statistical process controls and capability targets specified by Lilium.

## 11. Supplier Delegation Requirements

To comply with EASA Part 21 G, 21.A.139(a), Lilium has established a supplier delegation process that will ensure Supplier personnel performing inspections/test on behalf of the Lilium Quality PO meets or exceeds the competency requirements as set forth for Lilium Quality Inspectors.

Suppliers who meet Lilium entry requirements may be requested to have personnel from their Quality Organization delegated to verify parts, products, or services on behalf of Lilium Quality PO. The Supplier may be requested to select personnel (it is recommended that the Supplier selects more than one candidates) meeting the required competency and complete a Competency Assessment Report with the "First Name", "Last Name", "Date of Birth" and "Department" fields for each potential candidate.

The Supplier must provide clear evidence that each candidate meets each specific requirement. This evidence can be training certificates, qualifications, on the job training and period of experience in determined roles. Where "Date of Birth" is requested the supplier shall instead enter the candidate's unique company employee number.

Authority is granted as a Lilium Delegated Supplier Representative when the Supplier candidate has successfully proven their competencies in line with the competence matrix requirements. The authority for each Delegated Supplier Representative is valid for a maximum of 24 months. Supplier delegation authority extends only to parts, products, or services listed on the Supplier's approved PPAP.

Lilium may communicate to the Delegated Supplier Representative the required quality measurements by filling out and transmitting Appendix 4, "LP0SP00017TMP0E\_LP Supplier Acceptance Report" or by equivalent electronic media. Where Supplier Delegation is invoked the delegation authority shall extend only to the Delegated Supplier Representatives.

The Delegated Supplier Representative shall perform the necessary inspections and as evidence of conformity return the results within a signed copy of Appendix 4, "LP0SP00017TMP0E\_LP Supplier Acceptance Report" along with the shipped goods or via an equivalent electronic method.

**ATTENTION:** The Delegated Supplier Representative signing the Supplier Acceptance Reports cannot also sign the CofC and / or EASA Form 1 for line items under the selected Purchase Order.

In the event a non-conformity is detected, the parts, products or raw material are to be managed accordingly by the Supplier's Quality Management System.

To assure the continuity of the delegation a renewal assessment must be carried out by Lilium to review the Supplier's continued compliance to the entry requirements and the Delegated Supplier Representative's competencies against the requirements stated in the Lilium Competency Matrix.

Prior to the Delegated Supplier Representative's expiration date, the Delegated Supplier Representative may be requested to provide clear evidence that he/she continues to meet each specific requirement. This evidence can be training certificates, qualifications, on the job training and period of experience in determined roles

In case a Delegated Supplier Representative(s) is no longer working in the assigned role referenced on the last documented Competency Assessment, the Supplier must immediately inform Lilium and delegation authorization will be revoked for that individual.



## 12. Supplier Concession Management

A Concession request only applies to unintentional deviations on items that can be identified by a part number where a 100% recovery to the specified design data from a technical and / or economic point of view cannot be achieved, but could be conceded and approved under requirements provided by the Lilium Design Organization.

The Supplier is responsible for raising a “Request for Concession” as a consequence of an identified non-conforming item by using the defined Concession form (or a Lilium designated electronic platform). See Appendix 5 “LP0CP00012TMP0A\_LP Concession Form”.

To secure adequate processing time in terms of Lilium Design Organization acceptance / rejection of the Concession request and to describe the deviation between the non-conforming item and the specified design data, the information listed below must be provided within the header and in the “Deviation description to specified design data” field of the Concession form:

- Detailed deviation description on the non-conformity
- Part number and part serial number (if applicable)
- Design drawing number
- Part description
- Assy serial number / manufacturer serial number (if applicable)
- Design drawing section / pictures with detailed measurements

When it is necessary to provide additional details on the non-conforming item the Supplier shall use the Concession continuation sheet. The affected page number of the additional continuation sheets need to be referred to within in the “Deviation description to specified design data” field.

The Supplier must forward the Concession request for further assessment and disposition to the Lilium eAircraft Supply Chain Quality. Lilium Supply Chain Quality Engineer reviews the Concession request for accuracy and completeness and subsequently forwards the Concession request for assignment of a Concession number and disposition.

The Lilium Supply Chain Quality Organization will return the Concession back to the Supplier and delivery of the affected items is released **ONLY** if the Concession is approved and accepted. The Supplier must mark the approved Concession Number on the affected items and record the Concession Number on the certification documentation (e.g. Certificate of Conformity, EASA Form1) for the affected items.

### 13. Supplier Certificate of Conformance Requirements

To standardize the Certificate of Conformance (CofC) and ensure suppliers are consequently meeting CofC content, this section provides requirements, guidance material, and a template that must be used by Lilium Suppliers when submitting CofCs to Lilium.

Suppliers shall complete and submit CofC using the form in Appendix 6 according to the below instructions and Appendix 7 guidelines:

- The CofC form is not a fixed template, the width and length of the boxes may change based on data input.
- There can be multiple items listed on a CofC. In case multiple items are from different Purchase Orders, the link must be made between each of the different items and the corresponding PO.
- Check block #1 for the appropriate page numbering, i.e. 1/1, 1/2, 2/2 etc.
- If a block is not applicable the space must be completed by entering "N/A".
- When submitting a non-conformance (e.g. concession), the Supplier must also provide reference to the Lilium acknowledgement in the Block 13.
- The Supplier's Quality Management System shall ensure that only authorized personnel can initiate, sign and issue CofC's and provide traceability to that person and to the relevant skills and competences (training performed, experience in the conformity attestation process and Lilium requirements, etc.). The Supplier personnel authorized to initiate, sign and issue CofC's should, in particular, be aware of their level of responsibilities and impact of possible mistakes and/or fraudulent actions.
- Electronically generated CofCs are acceptable, provided they are compliant with all other appropriate elements of this document, in particular, verification that only authorized personnel can validate a CofC in the corresponding IT tool. An electronic representation of that person's signature may also be shown but is not mandatory.
- Copies of the CofC must be retained in their original paper format or in a secure database, provided that the database contains all of the information required on the CofC and they are filled and secured in line with Lilium and regulatory requirements (e.g. double archiving, storage duration, protection against fire, water, etc.).

## 14. Supplier Accompanying Documentation Requirements

Each order shipped to Lilium must be accompanied by documents containing a declaration that the individual part was produced under the terms of the contract and according to Table 2.

**Table 2, Accompanying Documentation Requirements**

Supplier	Build to Print Part	Shelf-life, Time Sensitive Part or Material (Note 1, 2)	Standard Part or Material	Commercial Part or Material
Production Organization Approval Holder or equivalent	F1, PS	F1 or CC, PS	CC, PS	CC, PS
Non-Production Organization Approval Holder	CC, PS, SR	CC, PS	CC, PS	CC, PS
International Suppliers located outside of the European Union	CC, CI, SR	CC, CI	CC, CI	CC, CI
Distributor	-	PC, PT	PC	PC

- F1 EASA Form 1 or equivalent
- CC Certification of Conformance (CofC)
- CI Commercial Invoice
- PC Certification statement on packing slip or attachment that lists original manufacturers name
- PS Packing slip, shipping ticket, invoice, etc.
- PT Packing slip attachments showing traceability to the approved source
- SR Supplier Acceptance Report Note 3

**NOTES:**

- 1- For shelf-life parts the supplier must supply documentation indicating the current status of the part, including items listed in Notes 2.
- 2- For time-controlled parts the seller must list hours, cycles, and/or days since last service.
- 3- In case Supplier is delegated according to section 11

## **15. Supplier Quality Assurance Requirements**

These Quality Assurance Requirements set forth the determination of the technical and administrative conditions and of the interactive processes that are necessary between Lilium and Supplier in order to achieve the desired level of quality.

These Quality Assurance Requirements describe the minimum requirements applying to the Quality Management System of the Supplier in respect of quality assurance. In particular, these Quality Assurance Requirements define special requirements applying to the manufacturing process and the product release procedure.

### **15.1. General Supplier Quality Assurance Requirements**

#### **15.1.1. Scope and Subject of the Quality Assurance Requirements**

These Quality Assurance Requirements are set forth by Lilium, for the purposes of protecting its own interests and the interests of its group companies within the meaning of sections 15 et seq. of the German Stock Corporation Act (Aktengesetz, AktG).

These Quality Assurance Requirements and referenced Aerospace Standards regulate the requirements applying to the quality of any and all development services and/or products manufactured and/or delivered for the use of Lilium, unless the scope of these requirements is restricted expressly to certain services and/or products.

Certain provisions of these Quality Assurance Requirements shall not apply if found to be conflicting with the provisions of prevailing agreements such as, for instance, general procurement contracts.

#### **15.1.2. Sub-tier Supplier Quality Assurance**

Supplier shall obligate its sub-tier suppliers to comply with the duties and obligations upon it according to these Quality Assurance Requirements. In the event of Supplier being unable to enforce compliance with these obligations by a sub-tier supplier, Lilium shall be informed by Supplier, in order to find an amicable solution.

Lilium may demand from Supplier documentary proof that the effectiveness of the Quality Assurance System of any sub-tier supplier has been verified by Supplier, and/or that other suitable measures have been implemented to assure the quality of parts bought by Supplier.

#### **15.1.3. Audit (on Supplier's Premises)**

Lilium shall be entitled to perform audits in order to establish whether Supplier's quality assurance measures appear capable of ensuring conformance with Lilium's requirements. Lilium may exercise its right to audit twice a year and in the event of a justified suspicion of a violation of the agreed quality or these Quality Assurance Requirements. Such audit, which shall be agreed prior to the scheduled performance, may take the form of a quality system, process, product, or special process audit as per Lilium directives. Audits performed by registered certification companies and/ or authorities shall be considered in respect thereof. Reasonable restrictions made by Supplier to protect its business secrets shall be respected.

In the event of quality concerns arising because of products and/or services supplied by sub-tier suppliers, Supplier shall ensure that, after due notice, Lilium is granted access for auditing purposes to sub-tier suppliers involved in the manufacture of the product in question; however, the above shall apply only in conjunction with products and components destined for Lilium.

#### **15.1.4. Initial Production Run, Changes**

Before the start of series production, Supplier shall submit to Lilium in accordance with the agreed time schedule, the respective initial production run of the product and associated First Article Inspection Reports (FAIR) for the purpose of inspection and release (according to AS/EN/SJAC 9145, AS/EN/SJAC 9102, AS/EN/SJAC 9115).

Release of initial production run by Lilium shall not release Supplier of its responsibility for product quality during series production.

Release of initial production run by Lilium is a purely technical process and is not to be equated with a supply order.

Without the prior written consent of Lilium, which may be given under certain circumstances only following prior release procedure, Supplier shall not implement any changes relating to production processes, production locations, materials, and sub-suppliers of components or products. Lilium may only refuse its consent if such change has possibly a detrimental effect on Lilium. Any and all modifications of the product and/or the processes shall be documented. Such relevant documents shall be retained by Supplier in a manner acceptable to Lilium.

#### **15.2. Documentation, Information**

Documentation and verification certificates shall be kept on file in a special archive for a period of 15 years. Upon request Supplier shall allow Lilium to inspect such documents.

If Supplier cannot fulfil the agreements (e.g.: regarding quality characteristics, deadlines, supply volumes), Supplier shall inform Lilium about such fact and the details in respect thereof. In order to find a quick solution, Supplier shall be obligated to disclose all relevant data and facts.

In the event Supplier observes an increase of discrepancies between quality targets and actual quality performance, Supplier shall inform Lilium without delay and describe any remedial action contemplated (according to ARP/EN/SJAC 9136).

Before launching any changes in respect of production processes, materials or parts of sub-tier suppliers, relocation of manufacturing sites, further changes to procedures or equipment for product testing, or of any other quality assurance measures, Supplier shall inform Lilium in time to enable Lilium to review the changes contemplated with regard to any possible detrimental effects and to assess whether the consent to the change can be given (see section 5.4). This obligation to notify Lilium is set forth in the aforementioned PPAP guidelines (according to AS/EN/SJAC 9145).

Any and all product changes as well as any process-chain changes that are of relevance to the product shall be documented in the product history.

## 15.3. Product Lifecycle

### 15.3.1. Development, Planning

Whenever development services are included in Lilium's order directed to the Supplier, the Supplier is obliged to apply Advanced Product Quality Planning (APQP) project management techniques from the planning stage and to inform Lilium upon request about the progress of the project and deliverables at agreed upon intervals. The requirements specification, activities (elements), deliverables, and APQP project plan shall be agreed between both, Supplier and Lilium in written form. (according to AS/EN/SJAC 9145)

Any technical documentation required to support the development of the series production, such as specifications, drawings, parts lists, CAD data, shall be reviewed by Supplier upon receipt with regard to completeness and lack of contradictions in general and in respect of the special purpose of its intended use. Supplier shall inform Lilium about any defects detected in such process. Lilium, in turn, shall ensure that any specifications, drawings, parts lists, and CAD data are made available to Supplier promptly, completely, and free from contradictions.

During the product and process design and development phases, both, Supplier and Lilium shall employ suitable preventive quality planning methods such as, for instance, Design Risk Analysis, Process Flow Diagram, Process Failure Mode and Effects Analysis, Measurement System Analysis, Initial Process Capability Studies, etc. Past experiences (process cycles, process data, capability studies, etc.) from similar projects shall also be given consideration (according to AS/EN/SJAC 9145).

Manufacturing and testing conditions applying to prototypes or initial production parts during product and process validation phase shall be agreed between Lilium and Supplier and be documented. It is the objective to manufacture the parts under conditions which are as close to those of series production as possible.

In respect of known – regulated or agreed – functionally relevant characteristics, Supplier shall perform analyses of the manufacturing lines as well as the inspection equipment and document those. Whenever any defined capability variables are not accomplished, Supplier shall either optimize its systems or perform suitable product inspections in order to preclude defective deliveries (according to AS/EN/SJAC 9103).

Before the start of series production, Lilium may inspect the product to the requisite extent before the start of series production and grant Supplier a release for its manufacture under certain conditions, if necessary (according to AS/EN/SJAC 9145, AS/EN/SJAC 9102, AS/EN/SJAC 9115).

Upon production product and process validation the initial preliminary process capability index (Ppk) as well as the continuous process capability index (Cpk) shall be specified for all agreed characteristics (according to AS/EN/SJAC 9103).

### 15.3.2. Series Production, Traceability, Notification of Defects, Identification

Supplier shall only deliver series products to Lilium that have been released for delivery by a production part approval process pursuant to PPAP (according to AS/EN/SJAC 9145) or by a Concession.

In the absence of specific requirements of Lilium (derivative system, unit documentation), Supplier is obliged to ensure the traceability of the products supplied. In the event of a defect being detected, the traceability system shall be good enough to permit tracing the number of

potentially defective parts/products to the smallest possible volume. Lilium will provide Supplier with any data required for traceability purposes (according to AS/EN/SJAC 9131).

In the event any process disruptions or quality deviances occur, the causes shall be analyzed, remedial actions shall be initiated, and their effectiveness shall be reviewed. If it becomes necessary under exceptional circumstances to deliver nonconforming products to Lilium, a concession shall be obtained prior thereto. Similarly, Lilium shall be informed within 24 hours about any later detected quality escapes (according to ARP/EN/SJAC 9136, AS/EN/SJAC 9131).

Supplier shall ensure that products are delivered only in suitable containers released by Lilium in order to avoid damages or quality losses (e.g. contamination, chemical reactions). Lilium shall be informed about special storage conditions (according to AS/EN/SJAC 9145).

Labelling of products, parts, and packages shall conform to the requirements agreed with Lilium. Supplier shall ensure that the labels of packaged products remain legible during transport and storage. Deviations from the existing labelling requirements are only valid if agreed in writing between Supplier and Lilium.

### **15.3.3. Inspections, Complaints, Remedial Action**

Supplier shall be responsible for implementing inspections in order to comply with agreed targets and specification sheets.

During series production, Supplier shall demonstrate the capability of the process for all characteristics that are functionally relevant and have to be documented by using suitable techniques (e.g. statistical process control or digital control charts) throughout the entire production period. In the event of process capability shortfalls, the quality shall be assured through suitable inspection methods; the production process shall be optimized in order to bring the required capability up to the desired level (according to AS/EN/SJAC 9103, AS/EN/SJAC 9138).

Upon receipt, Lilium shall inspect Supplier's products in respect of compliance with quantity, identity, visible damages, as well agreed technical requirements.

Unless otherwise stipulated in the contracts entered into with Lilium, any defects detected in the ordinary course of business will be reported by Lilium to Supplier without delay. If feasible in the ordinary course of business, Lilium will either inspect assemblies manufactured with parts provided by Supplier prior to the next manufacturing segment or, alternatively, inspect the end product that incorporates the assemblies.

In the absence of agreements to the contrary, defective parts will be shipped to Supplier for analysis. Should a dispute arise, Lilium and Supplier will conduct a joint analysis. In the event of defective deliveries, Supplier shall take remedial actions immediately (according to ARP/EN/SJAC 9136).

Lilium may delegate inspection authority to the Supplier, at which point an approved delegated supplier representative shall be notified and shall conduct the required inspections on behalf of the Lilium.

In the absence of agreements to the contrary, Supplier shall include in its own Quality Management System any production and inspection equipment, including but not limited to tools and rigs, provided by Lilium as part of the normal purchasing process, to be handled like Supplier's own production and inspection equipment.

#### **15.3.4. Foreign Object and Debris Program (FOD)**

The Supplier shall establish and maintain an effective FOD Prevention Program that involves using a process approach and risk-based thinking to proactively address the events (conditions and actions) leading to FOD (according to AS/EN/SJAC 9146).

#### **15.4. Liability**

Supplier will not be relieved of its liability for any warranty or damage claims of Lilium due to defective deliveries by the fact that quality targets and measures as well as intervention limits (disruptions, statistical ppm targets in the meaning of a statistical factor) are set forth in these Quality Management Requirements. Rather, these Quality Management Requirements define the obligations arising from the supply contract and the resulting warranty right.



## 16. Appendix

### 16.1. Appendix 1 Supplier Quality Management System Requirements Matrix

<u>9100:2016 Clause</u>		<u>A-Type</u>	<u>B-Type</u>	<u>C-Type</u>
<b>4</b>	<b>Context of the organization</b>			
4.1	Understanding the organization and its context	EASA Part-21:2012	9100:2016	ISO 9001:2015
4.2	Understanding the needs and expectations of interested parties	EASA Part-21:2012	9100:2016	ISO 9001:2015
4.3	Determining the scope of the quality management system	EASA Part-21:2012	9100:2016	ISO 9001:2015
4.4	Quality management system and its processes	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
<b>5</b>	<b>Leadership</b>			
5.1	Leadership and commitment			
5.1.1	General	EASA Part-21:2012	9100:2016	ISO 9001:2015
5.1.2	Customer focus	EASA Part-21:2012	9100:2016	ISO 9001:2015
5.2	Policy	EASA Part-21:2012	9100:2016	ISO 9001:2015
5.2.1	Establishing the Quality Policy	EASA Part-21:2012	9100:2016	ISO 9001:2015
5.2.2	Communicating the Quality Policy	EASA Part-21:2012	9100:2016	ISO 9001:2015
5.3	Organizational roles, responsibilities and authorities	EASA Part-21:2012	9100:2016	9100:2016
<b>6</b>	<b>Planning</b>			
6.1	Actions to address risks and opportunities			
6.2	Quality objectives and planning to achieve them	EASA Part-21:2012	9100:2016	ISO 9001:2015
6.3	Planning of changes	EASA Part-21:2012	9100:2016	ISO 9001:2015
<b>7</b>	<b>Support</b>			
7.1	Resources			
7.1.1	General	EASA Part-21:2012	9100:2016	ISO 9001:2015


<u>9100:2016 Clause</u>	<u>A-Type</u>	<u>B-Type</u>	<u>C-Type</u>
7.1.2 People	EASA Part-21:2012	9100:2016	ISO 9001:2015
7.1.3 Infrastructure	EASA Part-21:2012	9100:2016	ISO 9001:2015
7.1.4 Environment for the operation of processes	EASA Part-21:2012	9100:2016	ISO 9001:2015
7.1.5 Monitoring and measuring resources			
7.1.5.1 General	EASA Part-21:2012	9100:2016	ISO 9001:2015
7.1.5.2 Measurement traceability	EASA Part-21:2012	9100:2016	ISO 9001:2015
7.1.6 Organizational knowledge	EASA Part-21:2012	9100:2016	ISO 9001:2015
7.2 Competence	EASA Part-21:2012	9100:2016*	<b>9100:2016*</b>
7.3 Awareness	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
7.4 Communication	EASA Part-21:2012	9100:2016	ISO 9001:2015
7.5 Documented information			
7.5.1 General	EASA Part-21:2012	9100:2016	ISO 9001:2015
7.5.2 Creating and updating	EASA Part-21:2012	9100:2016	ISO 9001:2015
7.5.3 Control of documented Information	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
<b>8 Operation</b>			
8.1 Operational planning and control	EASA Part-21:2012	9100:2016*	<b>9100:2016*</b>
8.1.1 Operation risk management	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
8.1.2 Configuration management	EASA Part-21:2012	9100:2016*	<b>9100:2016*</b>
8.1.3 Product safety	EASA Part-21:2012	9100:2016*	<b>9100:2016*</b>
8.1.4 Prevention of counterfeit products	EASA Part-21:2012	9100:2016*	<b>9100:2016*</b>
8.2 Requirements for products and services			
8.2.1 Customer communication	EASA Part-21:2012	9100:2016	ISO 9001:2015

<u>9100:2016 Clause</u>	<u>A-Type</u>	<u>B-Type</u>	<u>C-Type</u>
8.2.2 Determining the requirements for products and services	EASA Part-21:2012	9100:2016	ISO 9001:2015
8.2.3 Review the requirements for products and services	EASA Part-21:2012	9100:2016*	<b>9100:2016*</b>
8.2.4 Changes to requirements for products and services	EASA Part-21:2012	9100:2016	ISO 9001:2015
8.3 Design and development of products and services			
8.3.1 General	EASA Part-21:2012	9100:2016	ISO 9001:2015
8.3.2 Design and development planning	EASA Part-21:2012	9100:2016	ISO 9001:2015
8.3.3 Design and development inputs	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
8.3.4 Design and development controls	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
8.3.5 Design and development outputs	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
8.3.6 Design and development changes	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
8.4 Control of externally provided processes, products and services			
8.4.1 General	EASA Part-21:2012	9100:2016	<b>9100:2016*</b>
8.4.2 Type and extent of control	EASA Part-21:2012	9100:2016	<b>9100:2016*</b>
8.4.3 Information for external providers	EASA Part-21:2012	9100:2016	<b>9100:2016*</b>
8.5 Production and service provision			
8.5.1 Control of production and service provision	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
8.5.1.1 Control of equipment, tools and software programs	EASA Part-21:2012	9100:2016	ISO 9001:2015
8.5.1.2 Validation and control of special processes	EASA Part-21:2012	9100:2016	ISO 9001:2015
8.5.1.3 Production process verification	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
8.5.2 Identification and traceability	EASA Part-21:2012	9100:2016*	<b>9100:2016*</b>
8.5.3 Property belonging to customers or external providers	EASA Part-21:2012	9100:2016	ISO 9001:2015
8.5.4 Preservation	EASA Part-21:2012	9100:2016	ISO 9001:2015

<u>9100:2016 Clause</u>	<u>A-Type</u>	<u>B-Type</u>	<u>C-Type</u>
8.5.5 Post-delivery activities	EASA Part-21:2012	9100:2016*	<b>9100:2016*</b>
8.5.6 Control of changes	EASA Part-21:2012	9100:2016	ISO 9001:2015
8.6 Release of products and services	EASA Part-21:2012	9100:2016	ISO 9001:2015
8.7 Control of nonconforming outputs	EASA Part-21:2012	9100:2016*	9100:2016*
<b>9 Performance evaluation</b>			
9.1 Monitoring, measurement, analysis and evaluation			
9.1.1 General	EASA Part-21:2012	9100:2016	ISO 9001:2015
9.1.2 Customer satisfaction	EASA Part-21:2012	9100:2016	ISO 9001:2015
9.1.3 Analysis and evaluation	EASA Part-21:2012	9100:2016	ISO 9001:2015
9.2 Internal audit	EASA Part-21:2012	9100:2016	ISO 9001:2015
9.3 Management review			
9.3.1 General	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
9.3.2 Management review inputs	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
9.3.3 Management review outputs	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
<b>10 Improvement</b>			
10.1 General	EASA Part-21:2012	9100:2016	ISO 9001:2015
10.2 Nonconformity and corrective action	EASA Part-21:2012	9100:2016	<b>9100:2016</b>
10.3 Continual Improvement	EASA Part-21:2012	9100:2016	ISO 9001:2015

\* Reference Regulation (EU) No 748/2012 GM 21.A.139(b)(1)(2)

**16.2. Appendix 2 "LP0QS00003TMP0A, Supplier Compliance Agreement"**

	<b>Supplier Compliance Agreement</b> LP0QS00003TMP0A	Page 1/ 1
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We hereby certify that

[Supplier Name]

at our plant / production facility located at

[Supplier Street Address]  
[Supplier City, Postal Code]  
[Supplier Country]

has established and applied a

**Quality Management System**

according to the Lilium GmbH requirements set forth under

**LP0QS0-0003DIR  
LP Supplier Quality Management  
System Handbook**

A quality system audit performed by [Supplier Name]  
has verified that our Quality Management System fulfills the requirements  
under the following classification:

**[A- Type QMS, B- Type QMS, C- Type QMS]**

Audit Report Number: [XXXXXXX]  
Audit Closure Date: [DD/MM/YYYY]  
Lilium Supplier ID [XXXX]

<b>Program Leadership</b>	<b>Quality Leadership</b>
_____ Signature / Date Full Name	_____ Signature / Date Full Name
<b>Lilium</b>	
_____ Signature / Date Full Name	

Rev. Date: 04.11.2020 LP0QS00003TMP0A Supplier Compliance Agreement

### 16.3. Appendix 3 Description of PPAP Elements

PPAP Elements			
Element	What is it?	Objective or Purpose	When to use it
1	<b>Design Records</b>	<p>A collection of the design documents typically including:</p> <ul style="list-style-type: none"> <li>• CAD/CAM Math Data</li> <li>• Part Drawings</li> <li>• Specifications</li> <li>• List of all characteristics and requirements</li> <li>• If Lilium is responsible for designing, this is a copy of Lilium drawing that is sent together with the Purchase Order (PO).</li> <li>• If supplier is responsible for designing this is a released drawing in supplier's release system.</li> </ul>	<p>Verification that the supplier has designed the product and process according to Lilium &amp; Regulatory Requirements</p> <p>Anytime a product or service is being designed or redesigned Design Records must be confirmed early in APQP Phase 2/3 and be updated with any changes prior to submitting PPAP</p>
2	<b>Design Risk Analysis</b>	<p>A structured approach used to identify and prioritize potential risks in a new or changed design</p>	<ul style="list-style-type: none"> <li>• Per 9145 the DFMEA methodology can be used as a record of the DRA</li> <li>• Identifies potential failure modes, the resulting effects, and prioritizes actions based on the expected severity, likelihood of occurrence, and ability to detect the failure mode during design</li> <li>• Enables collaborative identification of risk and associated risk mitigation actions</li> </ul> <p>• Started during initial design, updated as the design matures and throughout the product lifecycle as the product is updated • As an input to the next product development cycle</p>
3	<b>Process Flow Diagram</b>	<p>Representation of sequential steps of a process</p>	<ul style="list-style-type: none"> <li>• To help "see" the real process</li> <li>• To understand the following characteristics of a process:               <ul style="list-style-type: none"> <li>• Step-by-step process linkage</li> <li>• Inputs and outputs of each process step</li> <li>• Offline activities (measurement, inspection, handling)</li> <li>• Planned vs. non-planned rework</li> <li>• Assist in identification of needed resources (equipment, tooling, facilities people)</li> </ul> </li> </ul> <p>• Once the preliminary design is released • Prior to initiating the PFMEA • To evaluate changes to the process</p>


PPAP Elements				
Element	What is it?	Objective or Purpose	When to use it	
4	<b>PFMEA</b>	<ul style="list-style-type: none"> <li>• A structured method for identifying all possible failures &amp; impacts of the process under review</li> <li>• “Failure modes” is the description of the non-conformance to the requirements</li> <li>• “Effects analysis” refers to studying the consequences of those failures</li> <li>• Failure modes are prioritized according to how serious their consequences, how frequently they occur, and how easily they can be detected</li> <li>• Reaction plan to eliminate or reduce failure modes with high severity, reduce occurrence, and improve detection</li> </ul>	<ul style="list-style-type: none"> <li>• Identify potential product related process failure modes</li> <li>• Assess potential effect of the failures</li> <li>• Identify potential cause(s)</li> <li>• Plan for the prevention, mitigation and control of failures</li> <li>• Repository for Lessons Learned</li> </ul>	<ul style="list-style-type: none"> <li>• When launching a new product or service</li> <li>• Design and development of new manufacturing process</li> <li>• To improve an existing process</li> </ul>
5	<b>Control Plan</b>	<ul style="list-style-type: none"> <li>• 9145: A documented description linking manufacturing process steps to key inspection and control activities. The intent of a control plan is to control the design characteristics and the process variables to ensure product quality.</li> <li>• It is a document that describes the measurement methods, tools and procedures required at each significant phase of a process to control critical inputs and assure product that will conform to pre-determined requirements.</li> </ul>	<ul style="list-style-type: none"> <li>• Implementation of new process</li> <li>• After risks identified in PFMEA have been mitigated</li> <li>• Following a process change</li> <li>• Evaluating processes with non-conformances after corrective action</li> </ul>	<ul style="list-style-type: none"> <li>• Monitors all product and process Key Characteristics (KCs) and Critical Items (CIs) defined by the customer and organization.</li> <li>• Manages process variation (input) to reduce product characteristic variation (output).</li> <li>• Defines reaction to out-of-control situations, and ensures process improvements are sustained throughout the product lifecycle</li> </ul>
6	<b>MSA</b>	<p>A MSA is a statistical tool used to determine if a measurement system is capable of accurate/precise measurements</p>	<ul style="list-style-type: none"> <li>• Quantifies the variability/error added by the measurement system</li> <li>• To discover areas where:               <ul style="list-style-type: none"> <li>• Training is needed</li> <li>• Procedures are lacking</li> <li>• Standards are not defined</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• When trying to understand the effectiveness of your measurement system on its ability to measure both inputs and outputs of a process</li> <li>• Any new or modified process in order to ensure the quality of the data</li> </ul>

PPAP Elements			
Element	What is it?	Objective or Purpose	When to use it
7	<b>Initial Process Capability Studies</b>	A collection of dimensional results on product and process Key Characteristics identified in the control plan.	Initial process capability studies demonstrate that the combination of people, machine, methods, material, and measurements have the potential to produce product that will consistently meet the design requirements.
8	<b>Packing, Preservation &amp; Labeling Approvals</b>	Packaging and Labelling approvals are used to validate the process of delivering product and material to Lilium	<ul style="list-style-type: none"> <li>• To ensure that product or material is not physically damaged, nor will the packaging degrade in performance through the normal course of transportation, delivery, and storage.</li> <li>• Labelling approval is used to ensure that the correct product or material is received by Lilium</li> </ul>
9	<b>FAIR</b>	First Article Inspection is a complete, independent, and documented physical and functional inspection process to verify that prescribed production processes have produced an acceptable item as specified by engineering drawings, purchase order, engineering specifications, and/or other applicable design documents. This element must comply with the requirements of Aerospace Standard 9102 when contractually required by Lilium.	<ul style="list-style-type: none"> <li>• The purpose of the FAI is to provide objective evidence, based on an assessment of the first production article produced during the initial production run, that all engineering, design, and specification requirements are correctly understood, accounted for, recorded, verified, and fulfilled.</li> <li>• FAI planning should begin in the early APQP phases to ensure that all Lilium requirements are clearly understood and accounted.</li> <li>• The FAI submission shall be completed using the initial production part produced during the first production run.</li> </ul>



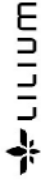
PPAP Elements				
Element		What is it?	Objective or Purpose	When to use it
10	<b>Customer Specific Requirements</b>	Lilium may specify activities and/or artifacts that exceed those required in the International Aerospace Standard 9145. These items are referred to as Lilium Specific (PPAP) Requirements in the PPAP submission.	To ensure compliance to any addition Lilium Requirements	<ul style="list-style-type: none"> <li>• Specific Requirements by Lilium should be identified during the project-planning phase, with timing established and assigned to the appropriate functional organization.</li> <li>• Evidence is submitted with the PPAP as defined by Lilium in Phase 4.</li> </ul>
11	<b>PPAP Approval Form</b>	<ul style="list-style-type: none"> <li>• The official record of part approval is 9145 Appendix D if not specified by Lilium</li> <li>• May contain records of sub-tier PPAP approval status</li> </ul>	<ul style="list-style-type: none"> <li>• Phase 4 when submitting PPAP to Lilium</li> <li>• When any design change in product or process is completed</li> </ul>	<ul style="list-style-type: none"> <li>• To record the status of all PPAP requirements</li> <li>• Official record of the status of part approval, including subcomponents as required</li> </ul>

**16.4. Appendix 4 "LP0SP00017TMP0E, LP Supplier Acceptance Report"**

	<b>Supplier Acceptance Report</b> LP0SP00017TMP0E	Page 1 / 1
Part Number: <input style="width: 80%;" type="text"/>	Part Name: <input style="width: 80%;" type="text"/>	SAR Number: <input style="width: 80%;" type="text"/>
Part Revision Level: <input style="width: 80%;" type="text"/>	Drawing Number: <input style="width: 80%;" type="text"/>	Drawing Revision Level: <input style="width: 80%;" type="text"/>
Manufacturing Process Reference: <input style="width: 80%;" type="text"/>	Organization Name: <input style="width: 80%;" type="text"/>	P.O. Number: <input style="width: 80%;" type="text"/>
<b>Inspection / Test Results</b>		
<b>Characteristic</b>	<b>Requirement</b>	<b>Results</b>
Reference Location	Requirement Name:	Nonconformance Number
Feature Description	Reference Location	Additional Data / Comments
<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
Delegated Supplier Representative Signature: <input style="width: 90%;" type="text"/>		
Date: <input style="width: 80%;" type="text"/>		

Rev. Date: 04.11.2020 LP0SP00017TMP0E Supplier Acceptance Report


16.5. Appendix 5 "LP0CP00012TMP0A; LP Concession Form"

<b>CONCESSION</b>		Concession No. <span style="color: red;">XX00000000</span>						
Drawing No.		Revision						
Part No.		Page						
Part Description		Aircraft Type						
Part Serial No.		MSN						
Quantity		of						
Assy Serial No.		Decision Responsible Design Organisation						
Deviation description to specified design data		Decision Responsible Design Organisation						
		Interface Design Data:						
		Limitations to the affected item:						
Temporary Suffix		QI	RTC	I	Deleted	QI	RTC	I
Permanent Suffix		M	OP	PO Quality				
Design Organisation		Design Organisation						
PO Originator		PO Originator						
Name		Name						
Signature		Signature						
Company/Department		Company/Department						
Date		Date						

Rev. Date 23.09.2020

LP0CP00012TMP0A

**Appendix 5 “LP0CP00012TMP0A; LP Concession Form” Continued**

	<b>CONCESSION CONTINUATION SHEET</b>		Concession No.
			Revision
			Page
			of

Rev. Date 23.09.2020

LP0CP00012TMP0A

**16.6. Appendix 6 "LP0QS00003TMP0B, Lilium Standard CofC Template"**

<b>Corporate Logo</b> <small>(optional)</small>	<b>CERTIFICATE OF CONFORMANCE</b>					1 Page of Pages
2 Certificate Number	3 Date	4 Supplier Name and Address	5 Customer Name and Address	6 Purchase Order number		
7 Item Number	8 Quantity	9 Description	10 Revision	11 Traceability	12 Remarks	
13 Conformity Details						
Certified that the products detailed have been manufactured / inspected / tested and conform in all respects to the relevant specifications, drawings and purchase order requirements.						
14 Name and Signature of person authorized to release products to customer.						

Rev. Date: 04.11.2020 LP0QS00003TMP0B, Lilium Standard CofC Template

### 16.7. Appendix 7 Guidelines for the Completion of the Certificate of Conformance

No.	Data Field Title	Description	Data	Data Type
1	Pages of Pages	Sheet number and total number of sheets	Numerals	Numeric
2	Certificate Number (optional)	Unique reference number assigned to Certificate of Conformance by Supplier	Numerals/letters	Alphanumeric
3	Date	Issue Date	Numerals/letters	Date
4	Supplier Name and Address	Supplier Name and Address	Numerals/letters	Alphanumeric
5	Customer Name and Address	Customer Name and Address	Numerals/letters	Alphanumeric
6	Purchase Order Number	Purchase Order Number	Numerals/letters	Alphanumeric
7	Item Number	Purchase Order Item Number	Numerals	Numeric
8	Quantity	Quantity of delivered goods	Numerals/letters	Alphanumeric
9	Description	Description of goods supplier, identified by same part number / material buying standard as referenced on the Purchase Order	Numerals/letters	Alphanumeric
10	Revision	Part or material revision as stated on the Purchase Order	Numerals/letters	Alphanumeric
11	Traceability	Serial / batch / lot / heat / cast numbers - as applicable to provide traceability	Numerals/letters	Alphanumeric
12	Remarks	Any additional remarks as related to the product	Numerals/letters	Alphanumeric
13	Conformity details	Optional statements as applicable: <ul style="list-style-type: none"> <li>- Shelf life expiry data</li> <li>- Non-conformance numbers</li> <li>- First Article Inspection</li> <li>- Material Certifications</li> <li>- Process Certifications</li> <li>- Customer Approval Numbers</li> <li>- Product category</li> <li>- etc.</li> </ul>	Numerals/letters	Alphanumeric
14	Name and signature of person authorized to release product to Customer	Statement confirming compliance to Customer Purchase Order requirements.	Digital signature	Alphanumeric