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0.1. COMPANY HISTORY

Founded in 1960, AUXITROL has experienced rapid growth in the Design, Manufacture and Distribution of industrial equipment.
The company’s marketing and development policy and its distribution network have enabled it to offer a very complete range of mechanical, electromechanical and electronic instruments and equipment.
AUXITROL’s products are targeted to multiple market segments and especially in the aeronautical and spatial high-technology industries.

0.2. ESTERLINE SENSORS GROUP’s SETTING-UP AND MAIN ACTIVITIES

The main activities of Esterline (NYSE : ESL www.esterline.com) Sensors Group are Design, Production and After-sales of: thermocouples, aircrafts and engines total temperature sensors, RTD sensors, pressure sensors, flexible transmissions and associated means test, speed and couple sensors, flowmeter, meters and level detectors, cryogenic sensors, air data sensors, vibrating cylinder sensors, fuel densimetry.

The various companies being a part of Esterline Sensors Group (ESG) are:

Ø Auxitrol S. A. - France
5, allée Charles Pathé
18941 BOURGES CEDEX 9
Tel. : +33 (0)2 48 66 78 78 / Fax : +33 (0)2 48 66 78 77

Ø Weston Aerospace – England
Farnborough
Hampshire GU14 7PW
United Kingdom
Tel. : +44 1252 544-433 / Fax : +44 1252 370-298

Ø Esterline Mexico - Mexico
Via Rapidia Poniente 16955-58
Colonia Rio Tijuana
3ra Etapa,
Tijuana B.C. 22226
Mexico
Tel. : +52 6564-231-4595 / Fax : +52 664-231-4597

Ø Norwich Aero - U. S. A.
50 O’Hara Drive
PO Box 109
Norwich NY 13815
U; s; a;
Tel. : +1 607 334-5410 : Fax : +1 607 334-5417

0.3. AUXITROL S. A. WORKFORCE

Bourges site employs in France, approximately 437 persons in France.
0.4. MAIN REFERENCES OF AUXITROL S.A.

SAFRAN GROUP (Hispano-Suiza, Snecma DMS, Turbomeca, Messier-Bugatti, ...) :
- Thermocouple harnesses for the CFM56, M53, ATAR, LARZAC engines
- RTD sensors for the CFM56 and M88 engines
- Flexible transmission
- Optical Pyrometers and pressure sensors unit for M88 engine
- Temperature sensors for SfM 146 engine
- Thermocouples and RTD sensors for the VULCAIN and ARIANE 5 engines
- Exhaust thermocouples and thermo-probes
- Pressure sensors
- Brake wheels thermocouple for A319-A320-A380-A400M
- Pressure sensors for A380

UTC GROUP (Pratt & Whitney – Hamilton Sundstrand) :
- Temperature probe and pressure sensors for PW210, PW307, PW535B / D and E, PW610, PW545C, PW615, PW617,
- Pressure sensors and mass flow for BOEING 787

ROLLS ROYCE :
- Temperature and pressure sensors for BR700, TP400, TRENT500, GEM, G NO M E

HONEYWELL :
- Temperature sensors (HTS 7000)

AIRBUS :
- Temperature sensors (Messier-Bugatti)
- Pressure sensors
- Pressure sensors for filtration and braking system – A380 (Messier-Bugatti)

DASSAULT Aviation
- Thermocouples and overheating and anti-icing detection system for FALCON
- Pressure sensors

0.5. MAIN PRODUCTION, INSPECTION AND TESTING FACILITIES

Bourges factory areas: 10,000 m² covered area and 53,000 m² total area.

The principal means of production, control and test are:
- Computer-assisted production management
- CAD equipment
- Clean room – Class 10,000 including a class 100 area for sensing element photolithography
dust-free room – Class 10,000 with temperature and relative humidity monitoring
- Machining centre, numerically controlled manufacturing machines, conventional manufacturing machines
- Swaging machines
- Arc welding, TIG and mini-plasma sets
- HF soldering machines, electron beam welding machine
- Vacuum oven for brazing, furnace with flame (high temperature tests)
- Unfrosting and frosting wind tunnel, hydrodynamic tunnel
- Automatic tester for pressure sensors, hydraulic testing system
- Means of calibration for temperature and pressure sensors
- Vibrator
- Conventional inspection and testing equipment (mechanical, electrical, electronic), three-dimensional machine.
CHAPTER 1: QUALITY SYSTEM MANAGEMENT

1.1 GENERAL

The quality management system has been established in accordance with the ISO 9001, AS/EN 9100, EN 13980 standards and European Directive 94/9/CE for products used in explosive atmospheres.

Supplementary requirements of EN 13980 "Explosive atmospheres - Quality Systems application" are identified in bold italic character.

The Quality Management System is based on a Business Process approach and continuous improvement program in order to meet external and internal customer requirements and make the company long-lasting.

Mapping charts.
3 types of process divided into 2 large families:
- GENeric family of processes including Management processes OR Support processes,
- Realisation process OR core business noted “AERO”

These process maps are supplemented by a description of each process specifying the:
- Process purposes,
- Process keypoint,
- Process sequences,
- Process owner,
- Parties involved in the process,
- Associated procedures,
- Process-related documentation and records,
- Process control and performance indicators to meet the objectives assigned by top Management.

The processes and the actions necessary to improve them are monitored, measured and analyzed as described in chapter 5 “Measurement, Analysis and Improvement” of this Quality Manual.
1.1.1 TOP LEVEL BUSINESS PROCESSES FLOWCHART
1.1.2 PROCESSES INTERACTION

Example: line P1 (process P1) interacts with column P2 (process P2) ⇒ P1/P2

<table>
<thead>
<tr>
<th>P0 GEN</th>
<th>P1 AERO</th>
<th>P2 AERO</th>
<th>P3 AERO</th>
<th>P4 AERO</th>
<th>P5 AERO</th>
<th>P6 AERO</th>
<th>P7 AERO</th>
<th>P8 AERO</th>
<th>P1 GEN</th>
<th>P2 GEN</th>
<th>P3 GEN</th>
<th>P4 GEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>P0 GEN</td>
<td>X</td>
<td>X</td>
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<td>X</td>
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<tr>
<td>P1 AERO</td>
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<tr>
<td>P2 GEN</td>
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<tr>
<td>P3 GEN</td>
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<tr>
<td>P4 GEN</td>
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</table>

Legend:
X : interaction (or internal customer-supplier relations) between 2 processes
No interaction between 2 processes
1.1.3 OUTSOURCED PROCESSES

Overall control of these processes is the responsibility of the process owner through a specific quality plan and/or an organization chart specifying the responsibilities of everyone involved.

1.2 DOCUMENT REQUIREMENTS

The Quality Management System documentation includes:
- The Quality Policy (see chapter 2-3 below),
- The quality objectives assigned by Top Management with indicators associated with the process,
- This Quality Manual,
- Documents required by standard EN9100,
- The structure of the documentation system allowing to ensure planning, operation and effective control of the processes.
1.2.1 QUALITY MANUAL

A) Scope of the Quality Management System

The provisions of this Quality Manual are supplemented by the documentation system procedures (1-2-1 above).

This Quality Manual applies for all processes mentioned in process map.

The documentation requirements take into account the prescriptions of the National Authority concerning the Quality System Management especially in the procedures, operating procedures, guides and Specific Quality Assurance Manuals:

- M.O.P. (Production Organization Manual)
- M.O.E. (Maintenance Organization Exposition Manual)

AUXITROL's personnel has access to the Quality Management System documentation and so have our customers and/or the representatives of National Authorities

B) Quality Manual control

The rules for quality manual control, approval and distribution are specified in procedure PI 01.

C) Quality Manual review

The Quality Manual is reviewed annually, and when changes are made to the Quality Management System (change of Management Representative, change of geographical location, etc.).

The Quality Manual review is described in PI 01 procedure.

D) Quality Manual changes

Any member of Management (Local Management Team or EXecutive COMmittee), any process owner wishing to make a change makes a request to the Quality Management.

After examination of the request, the requester is informed of the decision made. After acceptance, the Quality Manual is updated.

The QM records show all modifications carried out.

E) Storage

The rules relating to the filing of the Handbooks Quality are defined in PQ 05 procedure.

The quality manual arrangements are supplemented by the documents of the documentation system (see item 1-2-1 above).

1.2.2 CONTROL OF DOCUMENTS

There are several levels of control:
- Approval before distribution in accordance with PI01 and MM 01,
- Update status identification and approval in accordance with PI 01, PD 01 and MM 01.

The coordination of the modifications control is made with the customer and/or the Authorities in agreement with the contractual and regulation requirements (PI 01 above mentioned supplements the present provisions).
- Ensure that the documents remain legible and readily identifiable; this is done in accordance with PI 01 and PI 02,
- Ensure that documents of external origin are identified and their distribution controlled in accordance with PI 01,
- Prevent the unintended use of obsolete documents and applying suitable identification if they are retained for any purpose (see PI 01).
The analysis of the documents of external origin is led using document FC 02 “Analysis form of document” or during design reviews.

This chapter is supplemented as follow:

The control of the product documentation like that of the additional and related drawings is placed under the responsibility of "authorized person" in agreement with EN 13980 requirements. PD01 procedure supplements the present provisions regarding (?) control of the modifications.

The name of the notified organization responsible for notifying ??? the Quality System is documented by AUXITROL for each EC type certificate of examination.

NOTE:

Schedule drawing : Drawing referenced in the EC type-examination certificate
Related drawing : Drawing not referenced in the EC type-examination certificate, but used for example, for detailed manufacture of component parts

The notified organization responsible for the AUXITROL's Quality System notification is LCIE (notification N° LCIE 03 ATEX Q 8058).

1.2.3 CONTROL OF RECORDS

The rules for the identification, storage, protection, retrieval, retention and disposition of records are specified in PQ 05.

The records are available to the customers and/or Authorities in accordance with the contractual or regulatory requirements.

1.3. CONFIGURATION MANAGEMENT

The product configuration process is described in PD 02 "Configuration Management" and GD 06 "Design Quality Manual".
CHAPTER 2 : RESPONSABILITY OF SENIOR MANAGEMENT

2.1. MANAGEMENT COMMITMENT

Management Commitment is reflected:
- in the "Manage the Business" process,
- in the Management Statement,
- at the level of the Management Review.

2.2. CUSTOMER FOCUS

The customers are:
- the customer and end-users of our products
- the shareholders,
- AUXITROL's personnel,
- the suppliers and partners,
- AUXITROL with respect of laws and regulations.

The needs and expectations of the interested parties are identified and taken into account when planning product realization and measuring customer satisfaction. They are analyzed regularly for integration into the "Manage the Business" process.
2.3. QUALITY POLICY

AUXITROL is a world leader for development and manufacture of sensors and system of measurement for aeronautical applications.

AUXITROL belongs to the “Sensors” platform of ESTERLINE group and takes part in its ambitious development.

The involvement of AUXITROL is to provide to its customers products a high level of quality and within the deadlines answering their needs as well as the technical aid and necessary information.

Our strategic objectives can be defined in 4 parts:

- **CUSTOMER**
  To develop a strong customer-oriented culture in order to gain customer trust, reinforce our image and be recognised as the best supplier on the market.

- **PEOPLE**
  To mobilize our personnel through strong internal communication.
  To develop staff potential by providing individuals with training suited to their needs.
  To identify high potential in individuals and to offer them opportunities thus enabling us to retain them.

- **FINANCIAL SITUATION**
  To maintain strong profitable annual growth to satisfy our shareholders. Thanks to strategic acquisitions, co-operations and alliances we will be able to thus develop our experiment.

- **SUPPLIERS**
  To develop a partnership with our suppliers by associating them to reach our targets and by accompanying them in the deployment of their continuous improvement.

To apply this Policy, we commit ourselves:

- to implement a Quality System Management based on AS/EN 9100, ISO 9001 version 2000 standards, PART 21 and PART 145,
- to set up the means necessary such as:
  - our “Strategic Statement Business”,
  - our investment and operational Budget,
- to evaluate through our Balance Scorecard, our Processes Reporting and Management Reviews,
- to engage a continuous improvement process of our products, processes and performances.

The company takes daily into account the safety and environment stakes. Moreover, each responsible is in charge of the management of the personnel who has influence on the safety of the products.

The Quality Director, who reports directly to the Managing Director, is in charge of promoting, setting up and developing the Quality Management System. He has the independence and authority to lead those improvement actions which result in increasing the efficiency of our Quality Management System.

Bourges, le 19 décembre 2006

Managing Director  Quality Director
Alain DURAND  Willy FREITAS
2.4. PLANNING

2.4.1 QUALITY OBJECTIVES

The objectives assigned by the members of the Executive committee (COMEX) result from the "Manage the Business" process and are communicated to the process owners shown in the process map.

2.4.2 PLANNING

The planning of the Quality Management System is the responsibility of the "Manage the Business" process and is based on continual improvement.

The quality planning arrangements are defined in this Manual and in procedures related the various processes shown in the process map of each Division (see chapter 1 of the "QUALITY MANAGEMENT SYSTEM" manual).

2.5. RESPONSIBILITY, AUTHORITY AND COMMUNICATION

2.5.1 RESPONSIBILITY AND AUTHORITY

Top Management makes the strategic decisions.
Top Management co-ordinates and monitors the activities of the Finance, Quality, Operations and Human Resource Management and of Division Directors
Top Management defines the Quality Policy and general objectives of AUXITROL SA and approves any changes to the Quality Management System.
(through ?) delegation from Top Management, the Quality Director, (through ?) general indicators and the implementation of a program of internal audits, ensures that the Quality Management System is implemented and effective, and that the objectives are achieved.
PERSONNEL RESPONSIBILITIES
Quality contributes to the expansion of our business and to customer satisfaction. Therefore everyone must apply the arrangements made to achieve Quality (industrial file, procedures, etc.) and report any problems to their management, demonstrate a participative attitude by suggesting solutions to improve quality.
The personnel are informed of their responsibilities by the process owners.

QUALITY MANAGEMENT AUTHORITY
Quality Management has the authority to suspend any action during the life cycle of a product if Quality Management considers that this action may adversely affect Quality.

DEPARTMENTAL MISSIONS AND RESPONSIBILITIES
The missions and responsibilities of the departments impacted by the processes shown in the processes maps of the Quality Management System are specified for each process (see chapter 1 of this Manual).

QUALITY MANAGEMENT MISSIONS AND RESPONSIBILITIES
General
Quality Management must ensure that the arrangements made to achieve quality are understood, implemented, and that products and services are conforming.

Special missions
The special missions of the main functions shown in the Quality Management organization chart are described in the function sheets maintained by the Human Resource Management.

AUTHORIZED PERSON MISSIONS AND RESPONSIBILITIES
General
The Technical Director is the authorized person according to the European Directive 94/9/CE.

Main missions
- Ensure the connection with the notified organization,
- Identify additional and related drawings with certificate EC of the type,
- Control the identification of the components and the sources of supplying of significant ATEX components,
- Identify related drawings when those are common to products not fixed with the ATEX,
- Define the applicable specific conditions for sure use of the product,
- Sign EC Declaration of Conformity.

2.5.2 ORGANIZATION CHARTS
See Appendix 1.
2.5.3 MANAGEMENT REPRESENTATIVE

The Quality Director appointed by the Vice President and the Operations Director of the Esterline Sensors group, has responsibility and authority to:

- ensure that the processes needed for the Quality Management System are described, implemented and maintained,
- report to the Local Management Team and to the EXecutive COMmittee on the performance of the Quality Management System and the need for improvement,
- ensure the promotion of awareness of customer requirement throughout the organization,
- have organisational independence to solve the questions relating to quality.

2.5.4 INTERNAL COMMUNICATION

AUXITROL’s internal communication system is controlled by the owners of the processes shown in the process map of each Division.

The effectiveness of the Quality Management System is monitored and measured using indicators associated with the processes. These indicators are communicated to the persons involved in a process under the responsibility of the process owner.

2.6. MANAGEMENT REVIEW

Once a year, the Quality Director plans Management Reviews conducted by Local Management Team and a part of the EXecutive COMmittee as part of the "Manage the Business" process. Records from Management Reviews are maintained in accordance with PQ 05.

The objective of the Management Review is:
- to check QSM conformity,
- to check its efficiency in reaching the objectives fixed,
- to manage its evolution and therefore modify it if necessary.

The following subjects are dealt with therein:
- actions stemming from previous Management Reviews,
- presentation of results by process,
- results linked to the conformity of products,
- results of internal and external audits,
- customer satisfaction,
- appreciation of QSM efficiency,
- Quality Policy evolution and its objectives,
- status of preventive and corrective actions.

Exit data are:
- progress report and decision on improvement actions listed to QSM and product efficiency,
- resource needs.

The review includes the overall effectiveness of the quality management system with respect to product intended for use in explosive atmospheres.
CHAPTER 3: RESOURCE MANAGEMENT

3.1. PROVISION OF RESOURCES

Each process owner and each manager determine the material and human resources needed. Top Management is responsible for the provision of these resources after technical and financial analysis of the files submitted, especially at training plan and budget preparation time. This analysis includes data from:

- the Local Management Team and the EXecutive COMmittee,
- the policy and objectives defined,
- the Management Reviews,
- and any other event that may affect this analysis.

3.2. HUMAN RESOURCES

The Human Resource Manager performs her mission in three areas:

- administrative and legal management of personnel,
- management of human resources,
- labour management relations.

Quality-related responsibilities
The Human Resource Manager ensures that:

- personnel performing work affecting product quality has the required competence (training, experience, know-how) supported by a trainer reporting to Operations Management,
- the training plans are properly implemented and the training is effective.

Annual training plan
Based on the objectives assigned by top Management, an annual plan is worked out by the Human Resource Manager.
This plan reflects the training needs defined by each Manager and the individual requests of the employees.
This plan is approved by the Local Management Team and the training is monitored by the Human Resource Manager.
The training actions taken are evaluated at the end of each training session.

On-the-job training / Product-related training
On-the-job training is provided to new employees or to employees changing job, whatever their skills. It is provided using the induction handbook, the quality manual and applicable Quality Assurance Instructions under the authority of the relevant supervisor.
A special procedure: PH 01 "Qualification of personnel carrying out inspection operations and special procedures" describes the conditions of qualification of persons involved in product manufacturing.
The "HUMAN RESOURCE MANAGEMENT" process supplements these arrangements.
3.3. INFRASTRUCTURE / MATERIAL RESOURCES / WORK ENVIRONMENT


Factors which may effect product conformity, including:

- temperature
- humidity, lighting,
- cleanliness, electrostatic discharge protection etc.....

are taken into account during the product realization process (see chapter 4 of this Quality Manual).
CHAPTER 4: PRODUCT REALIZATION

4.1. PLANNING OF PRODUCT REALIZATION

The planning and development of the processes needed for product realization are taken into account by the processes identified in the process map of each division, as described in chapter 1 of this quality manual "Quality System Management".

The planning of product realization makes it possible to identify the resources (equipment, processes, services) needed to support product manufacture and maintenance. This planning is conducted in accordance with P2 AERO process and GD06 guide.

4.2. CUSTOMER-RELATED PROCESSES

4.2.1 DETERMINATION OF REQUIREMENTS RELATED TO THE PRODUCT

These requirements are identified by the following processes:
- Marketing,
- Sales administration,
- Design, Development and Product Engineering,
- Organisation - Launch
- Manufacture,
- Incoming and Outgoing Products Management,
- Post-delivery Customer Service

Including the statutory and regulatory requirements related to the product.

The category and marking are also taken into account.

4.2.2 REVIEW OF REQUIREMENTS RELATED TO THE PRODUCT

The requirements identified during the contract and/or design reviews in accordance with MD 01 are recorded and retained as provided for in the quality procedures associated with the processes shown in § 4.2.1.

It is important to check the customer requirement is compatible with the EC type-examination.

4.2.3 CUSTOMER COMMUNICATION

The arrangements for communicating with customers are controlled within the product realization processes:
- Marketing,
- Sales administration,
- Design, Development and Product Engineering
- Post-delivery Customer Service,
- Quality System Control.
4.3. DESIGN AND DEVELOPMENT

The design planning, design inputs and outputs, design reviews, design verification and validation, and control of design changes are ensured by the "Design, Development and Product Engineering» process.

Records of these activities are retained in accordance with the procedures associated with the process.

4.4. PURCHASING

4.4.1 PURCHASING PROCESS

The activities related to the purchasing process are described in the "Purchasing" process controlled by the Purchasing Manager and shown in the Quality Management System process map.

AUXITROL SA is responsible for the quality of all products purchased from subcontractors, including those designated by the customers.

For evaluation, selection and monitoring of subcontractors refer to PA 02.

Quality Management maintains a list of approved subcontractors, which also specifies the scope of approval.

Purchasing Management and Quality Management organize periodic reviews to evaluate subcontractor performance and initiate improvement actions for these subcontractors, including those that do not meet the requirements.

These subcontractors are re-evaluated each year. The suppliers of important parts to which will have not placed an order for a period superior than one year, will be on-site re-evaluated according to PA 02 above mentioned.

4.4.2 PURCHASING INFORMATION / VERIFICATION OF PURCHASED PRODUCT

A) Purchasing information

Purchasing informations are documented in PA01, PA03, ML 03 and M3 GEN process "Purchasing".

B) Verification of purchased product

Purchased product if verified in accordance with P8 AERO process "Incoming inspection", MQ 02, MQ 08 and ML 03.
4.5 PRODUCTION AND SERVICE PROVISION

4.5.1 CONTROL OF PRODUCTION AND SERVICE PROVISION

Production and service provision are planned by the owners of the following processes:
- Design, Develop and Product Engineering,
- Manufacture,
- Supply and planning,
- Goods-in inspection,
- Incoming and Outgoing Products Management,
- Post-delivery Customer Service.

The planning relating to control of production and service provision takes into account the following:
- The requirements contained in the EC type examination certificate
- The establishment of inspection process and the development of inspection plans when key characteristics have been identified,
- The in-process identification of characteristics which cannot be checked at a later stage,
- The design, manufacture and use of tools for verifying the variables of key characteristics which have been identified.

GD 06 supplements these arrangements.

AUXITROL S.A. plans and carries out production and service provision under controlled conditions, including:
- quantitative production monitoring (quantities of parts, fractional releases, nonconformities, etc.),
- proof that all manufacturing and inspection operations have been completed as planned, or in case of change, that they have been documented and authorized (MP 03 supplements these arrangements),
- arrangements for preventing, detecting and eliminating foreign matter,
- controlling supplies, such as compressed air, water and chemical products, if they can affect product quality,
- clear instructions made available to the operators (job descriptions, plans, FIC, etc.).

MM 01 supplements these arrangements.

4.5.1.1 Production file
Production operations are carried out in accordance with approved documents.

MM 01 supplements these arrangements.

4.5.1.2 Control of processed changes
This is carried out in accordance with PD 01.

4.5.1.3 Control of production equipment, tools and numerically machine programmes
This is carried out in accordance with the following:
- MM 04 "Design, production and qualification of manufacture and control equipments ....",
- MQ 01 "Technical monitoring of quality of instruments, equipment etc."
- MM 03 "Implementation of special processes"
4.5.1.4 Control of operations carried out occasionally outside AUXITROL SA's sites
Production operations carried out outside AUXITROL SA's usual sites are subject to prior validation and work control in accordance with PA 03 "Quality requirements applicable to AUXITROL SA's suppliers".

4.5.1.5 Control of services
When post-delivery customer service is provided, this is done in accordance with the following:
- P4.1 AERO process "After-sales support to our customers - Repair",
- MV 01 "After-sales support"
- MOE "Maintenance organisation specifications manual" according to PART/FAR 145.

4.5.2 VALIDATION OF PROCESSES FOR PRODUCTION AND SERVICE PROVISION
The processes for production and service provision are validated by P2 AERO process “Design, Development and Engineering”, P3 AERO process “Manufacture”, P4.1 AERO process “Post-delivery Customer Service”. PH 01, PQ 05, MM 03 and MM 04 supplement the arrangements of this chapter.

4.5.3 IDENTIFICATION AND TRACEABILITY
The rules for product identification and traceability are defined in the “Design, Development, and Product Engineering” process. PQ 06 supplements this chapter.

AUXITROL SA maintains the identification of the product configuration in order to identify the difference between the actual configuration and the approved configuration (PD 02 procedure supplements these arrangements).

Inspection marks used by AUXITROL SA (stamps, signatures) to evidence acceptance are controlled in accordance to PH 01 "Definition and method of qualifying persons conducting quality control operations".

4.5.4 CUSTOMER PROPERTY
Production, test and measuring equipments and instruments furnished or loaned by the customer are controlled in accordance to MQ 01 arrangements.

This procedure specifies what should be done if any customer property is lost and/or damaged. In addition, these instructions are supplemented by the special requirements of the customers, taken from the special Quality Assurance Plans.

AUXITROL verifies the compatibility of customer-supplied products with the requirements of EC type-examination certificate.
4.5.5 PRESERVATION OF PRODUCT

The arrangements for identification, handling, and packaging of the products are specified in the industrial file for the product. The storage and preservation arrangements are specified in ML 03 and ML 05.

During the product realization process, preservation includes:
- cleaning,
- prevention, detection and elimination of foreign matter,
- sensitive product handling precautions,
- marking and labelling, including safety markings,
- stock turnover and shelf-life control,
- hazardous materials, if applicable in accordance with product specifications and/or applicable regulations.

AUXITROL S.A. ensures that the documentation accompanying the product, as specified at time of ordering time, is present and protected from any loss or damage.

The industrial file for the product and organizational documentation take into account the above arrangements.

4.6. CONTROL OF MONITORING AND MEASURING DEVICES

Control of the monitoring and measuring devices is the responsibility of the P3 AERO "Manufacture" and P2.2 GEN "Material Resources Management" processes owners and is conducted in accordance with MQ 01.

The ISO 10012-1 and ISO 10012-2 standards are used as guides if necessary.
CHAPTER 5 : MEASUREMENT, ANALYSIS AND IMPROVEMENT

5.1 GENERAL

The monitoring, analysis and improvement processes are planned and implemented to:

- Demonstrate product conformity,
- Ensure conformity of the Quality Management System,
- Continually improve the effectiveness of the Quality Management system under the responsibility of the owners of the processes shown in the process map.

Depending on the nature of the product, its CRITICALLY IS NOT AN ENGLISH WORD and the specified requirements, these techniques can be used for:

- checking the design (e.g., reliability, maintainability, safety
- process control:
  - selection and monitoring of key characteristics,
  - process capability measurement,
  - statistical control of processes,
  - experience plans
- inspection: adaptation of sampling rates to SAME AS ABOVE and process capability,
- quality control: use of statistical techniques to determine the required improvements,
- failure mode effects and SAME AS ABOVE analysis.

5.2 MONITORING AND MEASUREMENT

5.2.1 CUSTOMER SATISFACTION

The process relating to customer satisfaction is described in MQ 04.

This chapter is supplemented as follows: Customer satisfaction is examined by AUXITROL in relation to the product’s compliance with the EC type-examination certificate.

5.2.2 INTERNAL AUDITS

Internal audits are conducted in accordance with PQ 02 by auditors independent of the audited activity.

Internal audits cover a period of about 18 months and are planned in "Internal audit programme".

The results of internal audits are retained in accordance with PQ 05.

5.2.3 MONITORING AND MEASUREMENT OF PROCESSES

The Quality Management System processes are monitored and measured using monitoring and performance indicators associated with the processes shown in the process map.

Process reviews are organized periodically by the process owners in accordance with PQ 09 to analyze the results and take the improvement actions decided during the review.

Records of these reviews are used as input for the Management Review.
5.2.4 MONITORING AND MEASUREMENT OF PRODUCTS

The characteristics of the products are monitored and measured at various stages of the product realization process, when requested, under the responsibility of the owners of the following processes:

- Goods-in inspection,
- Manufacture,
- Managing goods-in / goods-out,
- Ensure after-sales support to our customers.

Monitoring and measurement cover:

- Products purchased in accordance with MQ 02,
- Products in-manufacture and finished products in accordance with MQ 06.

Evidence of product conformity is recorded by persons authorized in accordance with PH 01 and retained as stipulated by PQ 05. Deviations from acceptance criteria are processed in accordance with PQ 01.

The key characteristics identified and measured are verified in accordance with MQ 02 and MQ 06. GQ 06 supplements these arrangements.

When performing sampling inspection, the Development team shall statistically validate the sampling plan. This plan shall prevent known defective items to be accepted. If required in the order, this plan shall be submitted to the customer for approval.

The use of products is subject to inspection conducted by authorized persons in accordance with PH 01. Only products recognized as conforming or accepted under controlled conditions shall be used.

5.2.4.1 Inspection document

The inspection procedures referred to in the industrial file for the product shall specify:

- the acceptance and rejection criteria,
- the sequential list of inspection and testing operations,
- the inspection result recording documents,
- the specific inspection facilities and associated files.

When the inspection or testing specification requires, records shall specify the actual measured values when quantifiable. When it is required to demonstrate product qualification, the records shall provide evidence that the product meets the defined requirements.

5.2.4.2 1st article inspection

MQ 03 "1st article inspection" defines the rules for performing 1st article inspection or equivalent requested by the customer, including when a change to the product validates the results of the previous 1st article inspection.

The EN9102 standard is used as a guide, if required by the customer, and results are recorded in FQ 24 form.
5.3 CONTROL OF NONCONFORMING PRODUCT

A Nonconforming product is controlled as described in PQ 02 under the responsibility of Quality Management. Records related to nonconformity and concessions are retained in accordance with PQ 01.

AUXITROL S.A. shall not use as is or repair a nonconforming product without formal customer approval if:
- the product was made to the customer’s design,
- the nonconformity results from deviation from contract requirements.

Unless otherwise required by the contract, a product designed by AUXITROL S.A and inspected according to customer specifications is classified as usable as is or to be repaired if the conformity does not result from deviation from customer requirements.

The products to be scrapped shall be conspicuously and permanently marked and "Quarantined" until they are rendered physically unusable.

The Quality Management System of AUXITROL S.A makes it possible to give a timely notification of nonconformities in delivered products, including required airworthiness actions. The notification shall include a clear description of the nonconformity, including any affected parts, their customer and/or supplier part numbers, the quantities and delivery dates.

The Quality System Management allows after delivery to the customer:
- the identification through the traceability of products not corresponding to EC type-examination certificate,
- the identification of the customer,
- the appropriate action to the degree of risk.

The Quality System Management provides:
- customer information,
- notified organization information
- to place a notice in the appropriate publication giving the recommended action to be taken.

The records of non-conforming product supplied to a customer shall be maintained in compliance with PQ 05 requirements.

Concessions are not permitted (design, technical documentation).

5.4 ANALYSIS OF DATA

The analysis of date from:
- customers,
- products,
- processes,
- internal audits,
- suppliers...

is used to evaluate the suitability and effectiveness of the Qualité Management System.

The analysis of data is controlled by the “Company Management” process.

The result of this analysis is used to improve the effectiveness and suitability of the Quality Management System.
5.5 IMPROVEMENT

5.5.1 CONTINUAL IMPROVEMENT

Continual improvement is defined in P0 GEN “Company Management” process.

- **Company Projec** : project identified through the general improvement strategy. Each project has a Project Manager. Projects are monitored regularly.

- **Organizational process** : identified through the process reviews.

- **Quality of product** : identified through Product and Customer management committees (COPILOT = COMité PILotage). These committees have to ensure the follow up of the launched Working Groups following the data analysis coming from the customers and the products.

- **R & D Committee** : enables decisions to be made during the initial stages of new projects

5.5.2 CORRECTIVE ACTION

The process for implementing and reviewing corrective actions, under the responsibility of Quality Management, is described in PQ 03.

Records of the results of the corrective actions taken are retained in accordance with PQ 05 requirements.

The corrective action is passed on to the supplier if responsible for the original cause.

5.5.3 PREVENTIVE ACTION

The process for implementing and reviewing preventive actions, as well as the responsibilities involved, are described in PQ 03.

Records of the results of the preventive actions taken are retained in accordance with PQ 05 requirements.
APPENDIX 1 : ORGANIZATION CHARTS

1- Top Management organization chart
2- Quality Management organization chart
3- Operations management organization chart
4- Financial management organization chart
5- Human resources management organization chart
6- Technical management organization chart
7- Purchase management organization chart
4. FINANCIAL MANAGEMENT ORGANIZATION CHART

- ORGANIZATIONAL CHANNEL
- FUNCTIONAL CHANNEL
5- HUMAN RESOURCES MANAGEMENT ORGANIZATION CHART

ESG Human Resources
Director
Louise HART

Bourges HR
Manager

Travel Assistant

HR Assistant

Payroll Administrator

Personnel Manager

Receptionist

Nurse

--- ORGANIZATIONAL CHANNEL
--- FUNCTIONAL CHANNEL
7- PURCHASE MANAGEMENT ORGANIZATION CHART

Purchasing Director
JeanMarc DEGNET

NPI Buyer x2
Buyer x3
Administrative
Purchasing Assistant

ORGANIZATIONAL CHANNEL
FUNCTIONAL CHANNEL
# APPENDIX 2 : ORGANIZATIONAL DOCUMENTATION LIST

## PROCEDURES

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<th>Description</th>
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<td>PA 01</td>
<td>Issue, checking, distribution and filling of purchase orders</td>
</tr>
<tr>
<td>PA 02</td>
<td>Approval and quality monitoring of suppliers and transporters</td>
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<td>PA 03</td>
<td>Quality requirements applicable to AUXITROL's suppliers</td>
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<tr>
<td>PD 02</td>
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<td>PH 01</td>
<td>Qualification of the personnel carrying out of the check operations and the special and significant processes</td>
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<tr>
<td>PI 01</td>
<td>Control of documents and data</td>
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<tr>
<td>PQ 01</td>
<td>Processing of non-conformities</td>
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<tr>
<td>PQ 02</td>
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<tr>
<td>PQ 03</td>
<td>Corrective and preventive actions</td>
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<td>PQ 05</td>
<td>Retention of Quality records</td>
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<td>PQ 06</td>
<td>Products, raw material, pieces and components identification and traceability</td>
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<tr>
<td>PQ 09</td>
<td>Process reviews methodology</td>
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## OPERATING PROCEDURES

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<tr>
<td>MM 01</td>
<td>Preparation and approval of product manufacturing documents</td>
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<td>Implementation of special and significant processes</td>
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<td>MM 04</td>
<td>Design, production and qualification of the devices, equipment items and toolings used in manufacture and quality control</td>
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<td>ML 03</td>
<td>Conditions concerning purchasing, storage and use of perishable products</td>
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<td>ML 05</td>
<td>Store management</td>
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<tr>
<td>MQ 01</td>
<td>Technical monitoring of quality of testing and manufacturing instruments and tools</td>
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<td>Incoming product inspection</td>
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## GUIDES

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<td>List of approved suppliers</td>
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<td>Design Quality Manual</td>
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<td>GQ 06</td>
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