


ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021



Supplier Quality Manual

Policy

Intellectual Property Category:				
	1	2	3	4

4 - UNRESTRICTED - Free distribution to all parties

2.0	Jan 2021	Mark Boardman	Mark Boardman	Quality Steering Committee
1.0	May 2020	Mark Boardman	Mark Boardman	Quality Steering Committee
Rev No	Rev Date Month/Year (MM/YYYY)	Prepared (Initial, surname and department)	Approved (Doc Owner(s)) (Initials, surnames and departments)	Approved HSSEQ (Initial, surname, dept)

©2019 Enerpac. Copyright in this document belongs to Enerpac national legal entity (Ltd, Pte, GmbH etc...) and all rights are reserved. No reproduction of all or part of this document shall be made without the prior written consent of Enerpac.




ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

Table of content

1	Preface	4
2	Enerpac Quality Policy.....	4
3	Objectives and Scope.....	5
4	Supplier Selection and Qualification.....	6
4.1	Supplier Selection	6
4.2	Supplier Qualification	7
4.3	Calibration and Certification.....	7
5	CUSTOMER SERVICE	7
5.1	Points of Contact.....	7
6	PROCEDURE/RESPONSIBILITIES	8
7	APQP and PPAP – For detail see Enerpac APQP/PPAP Manual	9
7.1	Advanced Product Quality Planning	9
7.2	PPAP	10
7.3	Control Plans	10
7.4	Layout Inspection/ Functional Test/ Validation	12
7.5	Production Part Material Content.....	13
7.6	Special Characteristics	13
7.7	Maintaining Process Control.....	13
7.8	Early Production Containment Plan.....	13
7.9	Enerpac Process Audit (Based on VDA 6.3)	14
8	Supplier Performance & Development.....	14
8.1	Quality Performance	14
8.2	Supplier Scorecards.....	14
8.3	Supplier Development:.....	15
8.4	Continual Improvement.....	16
8.5	Auditing	16
9	NON-CONFORMING MATERIAL:	17
9.1	Non-Conforming Material.....	17
9.2	Non-Conforming Material Report (NCMR).....	17
9.3	Cost Recovery & Debit Process	18
10	SUPPLIER CORRECTIVE & PREVENTIVE ACTIONS	18
10.1	Supplier Corrective and Preventive Actions.....	18
10.2	Supplier Corrective Action Report (SCAR) Format.....	19
10.3	SCAR Standards.....	19
10.4	SCAR Timing	19
10.5	Material Disposition	19
11	SUPPLIER CONTROLLED SHIPPING REQUIREMENTS.....	19
11.1	Controlled Shipping – LEVEL 1	19
11.2	Controlled Shipping – LEVEL 2	20

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

11.3	Release From Controlled Shipping	20
11.4	Cost Claw-back For CSL Level 1&2. – See Section 8.3.....	20
12	REWORK & DEVIATION APPROVAL	20
12.1	Rework.....	20
12.2	Deviations	21
13	MATERIALS.....	21
13.1	Traceability.....	21
13.2	Certification	21
14	ENERPAC SPECIFIC REQUIREMENTS.....	22
14.1	Training	22
14.2	Maintenance of Tooling and Equipment	22
14.3	DISPUTE RESOLUTION	22
15	CONTAMINATION AND RUST PREVENTION.....	23
16	Definitions	23
17	Cross reference documentation.....	24
18	Acknowledgement and Acceptance.....	25
19	Revision History	26

	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

1 Preface

Enerpac views its Suppliers as vital members of the team. It is essential to work together to provide customers with products that meet their expectations and standards. Our mutual success is dependent on satisfied customers.

The purpose of this Supplier Quality Manual is to provide Enerpac's Suppliers:

- Standards for quality.
- Supplier Selection Procedure.
- Procedures for working with Enerpac's Procurement and Supplier Quality/Development teams.
- Requirements necessary to meet Enerpac's customers' requirements.

Enerpac's Division internal procedures support this manual.

This manual is available at: <https://www.enerpac.com/en-us/support/e/supplier-documentation>

Suppliers should ensure they are working with the most current version of this manual. It is the responsibility of each Supplier to review, understand, and conform to all requirements in this manual that are applicable to the product or service supplied to Enerpac.

2 Enerpac Quality Policy

Our "Quality Commitment"...

Excellence in Customer Satisfaction and Customer Creation through Teamwork, Education, Complying with Requirements and Continuous Improvement by measuring performance.


DOCUMENT CONTROL is assuring you have the correct version when you use a document.

PROCESS CONTROL is completing a task according to documented instructions within required specifications.

CORRECTIVE ACTION is taking action to eliminate a problem at its root cause.

CONTINUOUS IMPROVEMENT is always trying to be better.

REMEMBER...Do It Right the First Time, Strive To Prevent - Not Detect, Always Consider Your Customer.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

3 Objectives and Scope

This agreement defines the technical and organizational framework which is required to achieve the desired quality targets. The objective is the avoidance of quality problems and the safekeeping of clear processes between Enerpac and each Supplier.

Requirements from relevant standards remain unaffected by this procedure, for example:

- DIN EN ISO 9000
- VDA guidelines Quality management in the automotive industry, VDA 6.3 & 6.5
- Special Process requirements – AIAG CQI Audits.

The terms and conditions of this agreement shall apply to any existing and future purchase agreements. This manual is in addition to Enerpac's Purchase Terms and conditions, requirements stated on drawings, purchase orders or specifications, and other regulatory requirements.

In addition to the content of this group standard detailed information about specific processes are covered in further requirement documents, i.e. AIAG CQI requirements.


All deliveries made by the Supplier shall be subject to Enerpac's General Procurement Terms and Conditions ("T&C") which can be found at <https://www.enerpac.com/en-us/support/e/supplier-documentation>

The Supplier shall ensure that its sub-Suppliers take the necessary measures in order to meet the obligations that have been accepted by the first tier Supplier.

The Enerpac Supplier Quality Manual applies to all external Suppliers and subcontractors who supply products and services such as:

- Production material.
- Production parts.
- Purchased components.
- Outside processing such as heat treating, e-coating, plating, etc.
- Indirect material supplier will be out of this scope.

This manual will assist the Supplier to meet the terms and conditions of Enerpac's purchase orders as well as the product drawings, specifications, Quality Management System, Policies, and procedures.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

4 Supplier Selection and Qualification

4.1 Supplier Selection

Approved Supplier Lists are managed at an applicable Enerpac Global Procurement Level. Suppliers must be added to the Approved Supplier List prior to any sourcing activity or business award.

Enerpac selects Suppliers based on the following criteria:

- Supplier Quality Certifications: Qualified Suppliers must operate their quality systems in conformance to the most current revisions of ISO 9001, at a minimum they are to be ISO 9001 third party certified unless otherwise specified by our customers. Testing facilities shall be certified to ISO/IEC 17025 if design responsible.
- Supplier Experience: Suppliers must demonstrate their expertise through the qualifications of personnel, equipment, and engineering.
- Supplier Financial Resources: Suppliers must demonstrate that they have the necessary financial resources.
- Supplier Performance: Suppliers must show that they have a superior track record of providing quality products or services on time and to schedule, and also demonstrate the highest level of customer service.
- Commercial Considerations: Suppliers must be competitive and demonstrate value. Commercial issues must be addressed and resolved quickly.

As noted above, the quality management system (QMS) shall be in accordance with the current version of ISO 9001 requirements for ensuring the integrity and quality of any product, shall be utilized to ensure customer satisfaction and any legal statutory and regulatory requirements, as applicable. The Supplier must also show due diligence relative to conformance of special process requirements identified by Enerpac (Such as CQI requirements) in its adherence to the standards.

All new suppliers must perform the following activity prior to being awarded business.

- New Supplier Risk Assessment & pre-sourcing audit completed and submitted to Enerpac Procurement. (Self-assessment)
- Risk assessment reviewed on site at supplier by Enerpac, if successful they will continue with a pre-sourcing audit.
- If approved move to Enerpac Approved Supplier list.
- Able to submit RFQ for new projects.
- New projects will be audited with VDA 6.3 style process and product audit after kick off.
- Signed Non-Disclosure agreement.


Note: All document formats are available: <https://www.enerpac.com/en-us/support/e/supplier-documentation>

The prioritization for Enerpac's supplier selection and approval – and the ongoing surveillance audits will be based on:

- Supplier's quality performance.
- Importance and risk of product supplied.
- Frequency Based.

The requirements for low volume and prototype suppliers will be specified within the Enerpac Supplier Quality requirements for Prototype and Low Volume Production Parts on <https://www.enerpac.com/en-us/support/e/supplier-documentation>

Enerpac's procurement and Supplier Development personnel reserve the right to visit prospective Suppliers to establish their qualifications, experience, financial fitness, and performance prior to selection. Enerpac's

	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

procurement personnel will work with the prospective Supplier to assess the Supplier's financial resources. Supplier Quality will audit the prospective Supplier and apply a rating and be moved to the approved supplier list.

4.2 Supplier Qualification

Enerpac requires that all Suppliers be third party registered to ISO 9001 (at a minimum) and for higher risk products conform to AIAG PPAP, FMEA, APQP, SPC, and MSA requirements applicable to their product or service.

Registered Suppliers are required to submit copies of all certificates and renewals to Enerpac's divisional procurement personnel. Suppliers are also required to notify Enerpac's divisional procurement personnel if certification is lost or the Supplier is placed on containment/suspension.

4.3 Calibration and Certification

All measurement devices shall be calibrated in conformance with ISO 9001. At a minimum, all gages and measurement devices shall be certified at a specified interval by the Enerpac SQE responsible. The Supplier's calibration program must ensure the accuracy, repeatability and reproducibility of all instruments and inspection apparatus. Maintenance, owner Identification and repair of all Enerpac supplied gages and measurement devices are the responsibility of the Supplier. Enerpac may periodically inspect the condition of gages and measurement devices. Shortcomings that are not promptly corrected shall be addressed through the applicable Enerpac Global Procurement Department. Enerpac reserves the right to correct any shortcoming and debit the Supplier the costs. This will be reflected on the Cost Recovery Worksheet or equivalent.

All other requirements will be captured within the risk assessment, pre-sourcing audit and ongoing process audits for each project.

5 Customer Service.


Information flow between Enerpac's divisions and their Suppliers is vital to success. It is therefore imperative for all Suppliers to communicate to Enerpac staff in an accurate, professional, and timely manner and Suppliers need to ensure that they acknowledge, understand, and take proper actions. Follow through is vital. Enerpac uses English as the primary language of communication and expects Suppliers to comply with this mode of communication.

Local language requests during the APQP process is to be specified at contract review stage.

5.1 Points of Contact

Suppliers shall inform Enerpac personnel promptly of changes in their points of contact for Senior Management & Senior Quality Personnel. A point of contact for off-shifts and weekends is mandatory. Cell phones are acceptable but please ensure that the cell phones are in coverage and turned on during these periods. Enerpac will also provide Suppliers with divisional and corporate points of contact for regular, after hours, and weekends.

This information is to be submitted at the risk assessment stage of new supplier selection.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

6 PROCEDURE/RESPONSIBILITIES


Enerpac purchases material and services only through approved Suppliers. The approval of new Suppliers is made by the Enerpac Global procurement team using the following steps:

1. The Enerpac Global procurement team sends a copy of the Enerpac new supplier risk Assessment. The Supplier completes and submits the self-assessment including relevant documentation and certificates to the requesting person. Submitted documents will be checked by Enerpac personnel.
2. Enerpac has implemented a quality management system according to ISO 9001 and is certified accordingly. Therefore, Suppliers to Enerpac need to follow the requirements of this international standard and implement these standards within their organization. The Supplier is obligated to the zero-defect-target and will constantly aim for continual improvement of their performance.
3. If necessary, an onsite audit may be performed depending on the result of the self-assessment, the certification status and the complexity of the product / service. If successful, the on-site audit will continue with the pre-sourcing audit.
4. Enerpac decides on the approval taking the self-assessment and audit results into consideration.
5. Subject to a positive result the Supplier will be entered into the list of approved Suppliers maintained by each individual Enerpac division, and will be available at a global level.

In the following scenarios, Enerpac will review the existing approval or if necessary, initiate the approval process:

- Relocation of the Supplier's production.
- New products (refer to Production Readiness Process).
- Reoccurrence of quality concerns.
- Supplier scorecards.
- Revocation of the ISO certificate.
- A degradation of the supplier's financial situation and/or level of services and support.

Note: Alternatively, the Supplier selection can result from a customer's mandated selection. (Directed By Supplier)

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

7 APQP and PPAP – For detail see Enerpac APQP/PPAP Manual.

Suppliers shall conduct APQP and PPAP in conformance to AIAG processes as part of their contractual relationship with Enerpac. These activities are required to develop robust products and processes and validate product to Enerpac and its OEM customer's standards where applicable.

During contract review stage a RASIC chart should be agreed to confirm ownership of each APQP element, this will define make to print and design responsible supplier responsibility. Standard formats shown in APQP manual.

7.1 Advanced Product Quality Planning

During product launches, it is mandatory for the Supplier to establish a Quality Planning Team within their organizations using a multi-disciplinary approach. Team members shall include personnel from departments such as engineering, quality, materials, manufacturing, or any other department deemed necessary. Upon request, the Supplier is required to join and support the advanced quality planning meetings and activities at the applicable Enerpac business unit/plant or its customer's location.

Participation by the Supplier in Advanced Product Quality Planning is vital to the success of all new business and engineering change launches at Enerpac. Enerpac expects all Suppliers to meet all program milestones.

All APQP documents are acceptable in AIAG format or Enerpac/customer directed formats.


The supplier shall prepare an advanced product quality plan for each product which details how quality requirements will be met up to S.O.P.

The plan at a minimum (Make to print) shall include the preparation of:

- Process Failure Modes and Effect Analysis (PFMEA).
- Control Plans.
- Process Flow Diagrams.
- Control Plan Key Features Diagram.
- Special and Significant Characteristics.
- Mistake proofing devices.
- Special tooling.
- Preliminary Process capability (Capability Studies and MSA).
- Gauge planning and verification.
- Project Development Records.
- Trial Part Submission.
- Work Instructions.
- Commissioning plan for new machines.
- Packaging Requirements.
- Maintenance Plans.

This allows:

- The identification, procurement, installation & verification of controls, processes, equipment, jigs, fixtures and gauges.
- Resource and training requirements.
- Inspection and test requirements appropriate to the product at various stages up to S.O.P.
- The preparation of Inspection Reports, Control Plan Key Feature Diagrams, Control Plans and FMEA.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

7.2 PPAP

Unless otherwise directed by the applicable Enerpac Quality Department in writing, the PPAP submission level to Enerpac is level 3 as per AIAG requirements.

The Supplier is required to submit initial samples from the production process to the applicable Enerpac business unit/plant for approval prior to mass production. PPAP submission and part layout will be at the cost of the Supplier and per AIAG requirements regardless of the customer's format; the Supplier shall use the AIAG "Production Part Approval Process current edition (PPAP)" for submission to Enerpac. All agreed and requested results as well as capabilities are included into the inspection scope. The Supplier is responsible for correct fulfillment and control of initial sampling. With Enerpac's approval, inspection could be restricted to dimensional, functional, or material inspection as well as formal cover release. If applicable information is adequate, with approval the Enerpac divisional quality personnel must initial where required.

Unless otherwise specified by the divisional Quality Department, PPAP samples shall be randomly selected from a significant production run to be agreed upon between the Supplier and the applicable Enerpac business unit/plant. These parts shall be manufactured at the production site using the tooling, gauging, process, materials and operators from the mass production environment. An approved Master Sample from this production run will be retained at the Supplier's location for future reference, as agreed upon with the Enerpac SQE responsible. PPAP sample submissions shall also be retained at the applicable Enerpac business unit/plant.


The Supplier is required to notify the applicable Enerpac business unit/plant in advance, submit a formal PPAP and obtain full approval from the applicable Enerpac business unit/plants receiving department under the following circumstances, in addition to any other requirements of the AIAG manual. In cases as shown below, initial sampling with sample forms from AIAG (PPAP) are required by the Supplier when:

- Implementing a new part or process.
- Correction of a discrepancy on a previously submitted part.
- Products or processes are modified by an engineering change (design, specifications, or materials).
- Using optional construction or material (not previously submitted).
- Any change in current process settings or tooling occurs.
- Change in manufacturing location occurs.
- Change of sub-contractors occurs.
- Reactivating of tooling which has been inactive for over 24 months.
- Changing in test or inspection method.
- As requested by Enerpac.
- Adoption of new production equipment.
- Internal production transfer.
- Deterioration of quality.
- Delivery blockage caused by quality.
- Sub-Supplier or Material Source Change (Spec variation).

7.3 Control Plans

Control plans shall remain active for the life of the product/process and shall be updated as appropriate or when any of the following occur:

- Process changes.
- Design changes.
- Internal/external complaints.
- Process improvement activities.
- Process becomes non capable.
- Process becomes unstable.
- Changes in inspection frequency.
- Quality issue with permanent corrective action.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

Control Plan Availability


- Control plans shall be available at the process to which they are intended to control.
- Control plans shall be made available to Enerpac upon request.
- Control plan items shall be numbered to correspond with the Process Flow Diagram and the PFMEA.
- Inputs to the development of the control plan shall include:
 - Process Flow Diagram.
 - PFMEA.
 - Significant or Critical characteristics.
 - Project development records.
 - Results of statistical analysis.
 - Packaging requirements.
 - Work Instructions/Standard Operations.

The supplier is responsible for submitting sample parts with the part approval package.

- The Enerpac sample size for part approval process is specified within table 1 below.
- The samples must be obtained from a significant run (final production trial) and must be representative of the overall quantity produced. Production trial run size needs agreement with Enerpac SQE depending on annual volumes and orders.
- The samples submitted are those used to obtain the dimensional evaluation and each sample must be numbered as per the inspection report. In addition, the following information must be applied to each sample tag:
 - Part number
 - Design level
 - Date
 - Sample number
 - Inspection report reference.

Table 1.

Significant Production Run Quantity	Required Quantity for FSIR
2 to 8	2
9 to 15	2
16 to 25	2
26 to 50	3
51 to 90	4
91 to 150	5
151 to 280	6
281 to 500	7
501 to 1200	8
1201 to 3200	9
3201 to 10,000	9
10,001 to 35,000	9
35,001 to 150,000	9
150,001 to 500,000	9
500,001 and over	9

	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

- The submission samples shall be handled, stored, packaged & delivered in a manner to prevent damage or deterioration.
- Retention of PPAP samples should be at the Supplier site for a period of 7 years.

Change in steel Suppliers does not require full PPAP resubmission when the material specification remains the same. Notification to the applicable Enerpac plant shall be prior to any changes and approval may be required depending on the receiving plant. Revalidation and verification processes are still required for this change however and documentation must be retained by the Supplier with access of the information being provided to the relevant Enerpac division.

Note: All performance inspection and testing for PPAP shall be performed by a qualified ISO 17025 laboratory. Independent accredited test laboratories shall be used if the Supplier's in-house test laboratory does not qualify.

Upon receipt of PPAP submissions, the applicable Enerpac Supplier Quality Department will review and confirm if all specifications and requirements are met. Feedback will be provided to the Supplier within a reasonable time frame, as agreed upon between supplier and applicable Enerpac Supplier Quality Engineer, as part of the approval status.

One of the following conditions shall apply:

- FULL APPROVAL indicates that the documentation, part, capabilities and all applicable material meet all specifications and requirements and mass production is authorized.
- INTERIM APPROVAL indicates minor non-conformities have been found and action and timing plans submitted, and only limited time or quantity production is authorized. Resubmission is required to obtain full approval. Or a Supplier request for change is made.
- REJECTED means that the submission does not meet the specifications and/or requirements. Neither mass nor limited production is permitted. Resubmission is required to obtain an approval status. Rejected submissions could result in financial penalties.


For certain products, PPAP approvals cannot be granted until the manufacturing process is verified by Enerpac, depending on the PPAP level. In such cases, Process Sign-off, First submission Inspection Report (FSIR), or Run at Rate will be conducted by Enerpac personnel at the Supplier's location to verify product quality and process capability.

Note: Suppliers are responsible for PPAP documentation and approval record retention. Tooling must be maintained until EOP is notified by Enerpac procurement. Tooling owned by Enerpac is to be identified and returned to Enerpac at EOP.

Record Retention, the Supplier shall maintain records of the acceptance activities for all products, parts or components delivered to Enerpac. These records include material certifications and one-to-one quality data traceability to Enerpac's Purchase Order. Supplier shall retain the records for a minimum of seven (7) years. Supplier shall submit such records to Enerpac promptly upon Enerpac's request.

7.4 Layout Inspection/ Functional Test/ Validation

All layout inspection and functional testing activities are carried out per control plans at a frequency approved by Enerpac. Enerpac requires, at a minimum, annual layouts and validation of all components. Annual layouts provide valuable information to the condition and performance of tooling and equipment. If discrepancies are found, the Supplier is responsible for informing Enerpac. An action plan with interim containment and timing to resolve the discrepancies is required. Please refer to the tooling management guideline on <https://www.enerpac.com/en-us/support/e/supplier-documentation>

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

7.5 Production Part Material Content.

Product material content, recyclability, weight and other information are to be reported to Enerpac during PPAP approvals. Products containing substances of concern that are restricted and/or prohibited must comply with current legal and local regulatory requirements.

7.6 Special Characteristics

During APQP, all process control and similar documents (Process Flow Charts, D/PFMEA, control plans, operator instructions etc.) will be marked with the customer special characteristic symbols as detailed in drawings and specifications. Customer identified Special Characteristics will require a minimum CPk of > 1.33 or 100% inspection if not achieved.

7.7 Maintaining Process Control

The examination and assessment of machine and process capability shall be based on the AIAG SPC Manual latest revision.

For any function and process related characteristics the Supplier shall analyze in detail and document the ability of the processes and the suitability of production facilities in use. This will be built into the control plan for ongoing control of those characteristics.

Process control will be maintained at or exceed a CPk of 1.33 for all Enerpac Special Characteristics. When the process demonstrates a CPk of <1.33 the Supplier will have 100% containment in place and an action plan to bring the CPk to 1.33 or better. All safety critical items will require a CPk of >1.67.

7.8 Early Production Containment Plan


During new product launches or engineering changes, the Supplier is required to implement at no cost to Enerpac, an "Early Production Containment Plan". The purpose of this containment is twofold. First, the containment provides protection for the Supplier, Enerpac and our customers from defects. Second, the containment provides feedback as to the effectiveness of the Supplier's process.

The containment plan, which must be submitted to the Enerpac Global Procurement Team for approval, includes but is not limited to, the following:

- Key personnel responsible for the containment.
- Characteristics for 100% inspection.
- Method and equipment used.
- Acceptance Criteria.
- Operator training and written instructions.
- Identification of certified material.
- Containment result review system.
- Reaction plan for defects found.

The Supplier shall continue with the containment plan until the exit criteria are met. To exit the plan, the Supplier shall:

- Have a minimum of 30 days production or negotiable depending on launch volumes.
- Implement permanent corrective action for any defects found during the early production containment. 30 days or the agreed quantity is to start from zero again when a defect is found.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

7.9 Enerpac Process Audit (Based on VDA 6.3)

The Enerpac Supplier quality team will complete on site process audits using the Enerpac process audit format from the kick off date of each project awarded. This process audit will continue throughout the project and into production as a continuous improvement tool. It will also be used within the supplier scorecard.

Where there are multiple projects or product groups, these will be captured as a combined audit.

All elements of the audit will be evidence based and should be provided to the Enerpac Supplier Quality team during the audits.

8 Supplier Performance & Development

8.1 Quality Performance

Supplier quality performance is measured by the number of written concerns NCMR's, Parts per Million (PPM), Repeat issues quantity, PPAP right first time percentage. The applicable Enerpac business unit/plants report Supplier performance to Enerpac Corporate Quality monthly as part of the Supplier Scorecard Calculations. The goal for applicable Enerpac business unit/plants and Suppliers is zero concerns.

8.2 Supplier Scorecards

Enerpac uses scorecards to monitor and measure the performance of all Manufacturing Resource Suppliers. The process is an ongoing comprehensive supplier monitoring and feedback process that allows Enerpac to communicate with its supply base, recognizing both high performance suppliers as well as low performing suppliers.

Each Supplier is assigned 100%


- Demerit points are defined for each metric in Red status.
- PPM, OTD, CSL1 & CSL2 have two level of demerit points based on deviation from target supplier.
- Status is defined in 3 levels (GREEN, Amber and RED)
- Repeat concerns.
- PPAP/PSW right first time.

Strategic Suppliers will be rated monthly by Enerpac based on their ongoing quality and delivery performance to the Enerpac plant locations.

The Enerpac target for PPM is zero and 100% OTD. Any deviation from the above requirements requires the implementation of a documented corrective action to meet these requirements.

The applicable Enerpac business unit/plant Quality & Procurement initially rates all Suppliers based on quality and delivery performance. The ratings may be adjusted either up or down based on other factors and issues. Examples of favorable factors that would improve a rating include prompt corrective actions, solid quality systems, and state-of-the-art materials and labeling systems. Examples of unfavorable factors include slow corrective actions, poor quality systems, quality systems not registered to ISO 9001 and overdue or incomplete PPAPs.

Enerpac's Corporate Quality and Procurement groups periodically review Supplier performance and status. These reviews prioritize Enerpac's Supplier development activities and impact decisions to either increase or decrease the number of Suppliers.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

8.3 Supplier Development:

Enerpac is committed to assist its Suppliers to continually improve their quality systems.

Enerpac will perform Supplier development with the goal of Supplier certification to ISO 9001. In the event a Supplier is found to be nonconforming through the applicable audit process utilized (3rd Party; Self-assessment; etc.) the Supplier shall provide to the applicable Enerpac business unit/plant Procurement and Quality a timeline with action plans to achieve certification.

Suppliers shall conform to the following “core tools” as published by AIAG for specific projects:

- PPAP.
- MSA.
- APQP.
- FMEA.
- SPC.

The scope of development measures will follow the quality performance, level / status of the quality management system and the relevance of the purchased goods or services. For the purpose of Supplier development, the following area are considered:

- Form of contract / Supplier agreements.
- Training.
- Supervision (self-assessment audits, 3rd party audit results, on-site visits-only when warranted).
- Preventive and corrective action plans.


In accordance with operating departments (e.g. Quality Management, R&D, and Logistics), the respective Global Procurement & Supplier Quality representative will decide on the need for actions and will initiate the same for their Suppliers.

Therefore, on an annual basis, the applicable Enerpac business unit/plant will identify Suppliers for priority improvement based on Supplier performance data. This process is coordinated and led by the Global Procurement team

If Global Supplier Quality is involved, they will either lead the activity or identify a Regional Quality Person to do:

- The identified lead function will then create and maintain the respective action plans per Supplier, where required.
- The objective of this process is to raise the selected Supplier’s performance up to an acceptable level within a period of 6 months.

The following actions will be considered in order to define individual action plans needed for selected Suppliers that have been determined by the Global Procurement team:

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

Active: These suppliers are considered strategic/preferred

- Review individual categories as needed.

Escalation 1:

- Contact Supplier (Potential hit to Score Card and Possible Cost Recovery).
- Review individual categories effected to formulate a plan for improvement.
- Action plan required to improve processes.
- Involve affected plants and monitor for 1 month.

Where sufficient improvements are observed, the supplier will be removed from the escalation path.
Where sufficient improvements are not observed, the supplier will then be escalated to stage 2.

Escalation 2:

Where a supplier is escalated to Stage 2, the respective Procurement Manager will be notified. The Procurement Manager will then update the ERP system to place the supplier on “Business Hold” from any future RFQ’s. The supplier may be notified of this but will then be monitored over the next 30 days for performance on current open purchase orders.

Where sufficient improvements are observed, the supplier will be removed from the escalation path.
Where sufficient improvements are not observed, the supplier will then be escalated to stage 3.

Escalation 3:

Where a supplier is escalated to Stage 3, the respective Procurement Manager will notify the supplier of the lack of improvements. The Procurement Manager will notify the respective buyers to begin a re-sourcing plan to a new supplier. Move to inactive in the ERP system.

Inactive: Do Not Source List, No development will be performed on inactive suppliers.

Enerpac designated personnel to be on site at the supplier’s location and processes to help the supplier until such ratings can be improved to an acceptable standard. The cost to support this will fall into the economic penalty category for the supplier cost claw back.


8.4 Continual Improvement

Suppliers will continually improve and chart the effectiveness of their Management Operating System (MOS) in quality, service, cost, technology, and delivery performance. This information shall be made available to Enerpac Global Procurement and/or Quality, when requested.

8.5 Auditing

Enerpac will audit the Supplier’s processes based on the following reasons or based on priorities when required by customers:

- Admission of a new Supplier.
- Supply with new goods or services.
- Detection of an insufficient series-production quality.
- Relocation of the Supplier’s manufacturing site.
- Change of the Supplier’s production processes.
- Negative performance measurement trend.
- Warehouse facilities shall also be included for auditing purposes.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

9 Non-Conforming Material:

9.1 Non-Conforming Material

Non-Conforming material is any material known or suspected to be nonconforming to specifications. Violations will be reflected on the Supplier Score Card and any costs will be reflected on the Cost Recovery Form provided by the applicable Enerpac business unit/plant. A recovery plan is required within the applicable response time of 24-48 hours.

Suppliers shall proactively notify Enerpac if they suspect that the applicable Enerpac business unit/plant may receive (or has received) Non-conforming material. The applicable Enerpac business unit/plant Supplier quality personnel will work with the Supplier to identify sorting or other activities needed to protect Enerpac and the customer. In doing so, the Supplier's scoring will not be negatively impacted at this point.

9.2 Non-Conforming Material Report (NCRM).


The Non-Conforming Material Report (NCRM) is Enerpac's formal notification to a Supplier that Non-conforming material has been found at an applicable Enerpac business unit/plant. The NCRM will give details of the part, a description of the discrepancy, applicable photographs of the discrepancy, lot # and suspect quantity, containment and corrective action requirements etc. In some cases, the material may be returned to the Supplier for rework, a Return Material Authorization number (RMA) is required; if the Supplier does not have an RMA procedure, the name of the person authorizing the return at the Supplier's location will be noted on the notification.

Should the information be insufficient for the supplier, they should notify Enerpac immediately with the requested information.

The applicable Enerpac business unit/plant will initially notify a Supplier upon identification of Non-conforming material. The initial notification will be followed with formal notification in the form of a NCRM within 24 hours of the occurrence. The Supplier is responsible for providing an initial response with-in 24 hours of issuance of the NCRM, Root-Cause response within 3 days of issuance, Corrective Action response within 10 days and validation and verification completed and evidence of such actions and implementation supplied to the appropriate Enerpac Representative within 15 days of issuance. The Supplier is expected to supply certified parts and remove Non-conforming material from the Enerpac location for sorting or rework at a remote location. Certifying of parts at an Enerpac location is not acceptable unless it is approved and necessary to meet customer delivery schedules. Suppliers or representatives on site at Enerpac must recognize all Enerpac health and safety practices.

Supplier PPM Definition:

- A part or product that was received and is found not to meet drawing, boundary sample or drawing defined engineering specifications.
- Dimensional or performance reports should be presented by Enerpac prior to the issue being defined as supplier owned.
- All related product information should be gathered and added to the NCRM to provide sufficient information for the 8D.
- The NCRM will be raised based on defect quantity only, PPM will be based on rejected quantity only.
 - o **Expectations:**
 - All parts and products will be quarantined for supplier inspection.
 - Supplier can inspect and sort / rework bad parts, or pay a third party, resulting in only bad parts being calculated in the PPM number.
 - If the supplier chooses not to inspect, sort & rework parts then the entire lot will be considered defective. (Intercompany Enerpac will not be included here, as third party should not be required)
 - Immediate Resolution of line down situations within 24 hours.
 - Delivers validated good parts to our own production facility at suppliers cost.
 - The Supplier validates parts at the Enerpac site to maintain production.
 - Containment in place at supplier site and for in transit product at Enerpac site.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

9.3 Cost Recovery & Debit Process

Supplier shall bear all costs associated with the discrepant material costs. Examples are, but not limited to the following:

- Rework and/or Repair.
- Overtime to meet Enerpac customer's schedules.
- Production down time at Enerpac.
- Down Time at Enerpac customer.
- On-line containment.
- Handling or storage of suspect or nonconforming material.
- Customer returns and charge backs.
- Premium freight.
- Travel costs incurred by Enerpac personnel.
- Disposition of scrap.
- Sorting of suspect parts at the Enerpac Division or by a third party.
- Lab testing and/or verification.
- Administrative Costs.
- Warranty.
- Testing Equipment Repairs.
- And any other pertinent costs.

Enerpac shall maintain standard charges for some commonly incurred costs, the Supplier may request these standard costs from each applicable Enerpac business unit/plant. Enerpac reserves the right to change these charges at any time.

The Cost Recovery Form is the formal document to recover costs incurred as noted above. The Cost Recovery Form will detail the cost breakdown including administrative charges for each occurrence reported through a SCAR.

NOTE: Charges incurred from Enerpac's customer as a result of a supplied product or service will be charged to the supplier. Should Enerpac be issued a Customer Complaint from its customer related to a component or component interface being provided by the Enerpac Supplier, Enerpac reserves the right to debit the Supplier for the associated costs.


10 Supplier Corrective and Preventive Actions:

10.1 Supplier Corrective and Preventive Actions

It is the Supplier's responsibility to take the necessary corrective and preventive actions to resolve quality problems. The Supplier is required to use acceptable problem solving methods such as 3 legged 5 why analysis, Fishbone Diagram, Design of Experiments, Histogram, Pareto Analysis, 8-D, etc. to investigate the root cause of problems and implement countermeasures to eliminate them.

Corrective action reports should address the root cause for the occurrence and failure of the quality system. Enerpac's Supplier quality personnel will work with Suppliers to help address root causes and implement permanent corrective actions. Suppliers are encouraged to use mistake-proofing methodologies in their corrective actions.

Where applicable, countermeasures for one particular problem shall be implemented on other similar processes and products to eliminate the reoccurrence of the problem. All corrective actions should be verified periodically to make sure that they remain effective.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

10.2 Supplier Corrective Action Report (SCAR) Format

Enerpac may request formal Supplier Corrective Action Reports (SCARs) from a Supplier. Normally, a Supplier may use their format for SCARs. However, Enerpac may direct the Supplier to use the Enerpac format or website.

10.3 SCAR Standards

An SCAR will be written using a team approach and in a clear and concise way showing root causes, and corrective actions. Back up information showing a root cause was determined must be attached to the SCAR. Where applicable, the root cause should be implemented and tested then removed and tested as proof that the actual root cause and corrective action are identified. i.e. Supplier must be able to 'switch on' and 'switch off' the root cause.

10.4 SCAR Timing

Unless otherwise specified, a CAR shall be followed with an initial response within one (1) business day of receipt. This initial response must detail the issue and interim containment action. Thereafter, weekly updates of the SCAR shall be sent to the Enerpac Divisional Quality Department. A final response for the formal corrective action plan of the SCAR is required within 10 business days from the day of issuance. Evidence and full implementation validation shall be submitted with the final corrective action to be considered for closure. In cases where discrepant products have to be returned from the customer for problem investigations, the Supplier shall contact the divisional Materials and Procurement Department staff of Enerpac to make all necessary arrangements. Costs associated with the SCAR including customer charge backs shall be recovered from the Supplier.

10.5 Material Disposition

The Supplier is required to adequately contain all products that fail to meet specified requirements. With documented authorization from the applicable Enerpac business unit/plant such material may be salvaged, disposed, or shipped with an approved deviation.

11 Supplier Controlled Shipping Requirements:


When a Supplier's corrective actions are not sufficient to contain discrepant product, or warranted by an unacceptable scorecard rating/warranty issue (as reflected on the supplier scorecard), the applicable Enerpac business unit/plant may require the Supplier to implement Controlled Shipping (CS). There are two levels of controlled shipping, CS Level 1 and CS Level 2.

11.1 Controlled Shipping – LEVEL 1.

The applicable Enerpac business unit/plant will impose CS1 when extraordinary inspection is required to prevent discrepant material from entering the Divisions process. Typically, CS1 will only be imposed after a Supplier's countermeasures have failed. However, in some cases, CS1 may be imposed due to the potential severity of a discrepancy.

The applicable Enerpac business unit/plant will notify a Supplier in writing of the requirement to implement CS1. The exact requirements will be included in the notification. Typically, the Supplier shall be required to:

- Establish a containment process and location.
- Develop inspection instructions and data collection sheets.
- Purge and replace the pipeline (at customer, in transit, inventory) of suspect material.
- Track and communicate "clean point" to receiving Enerpac Division.
- Document and communicate containment data to receiving Enerpac Division.
- Implement corrective actions.
- Verify corrective actions.
- Obtain Enerpac's approval of activities and exit criteria.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

11.2 Controlled Shipping – LEVEL 2.

The applicable Enerpac business unit/plant will impose CS2 when the Supplier fails to contain repeated nonconforming product in their CS1 activities. The Supplier will be notified in writing of the requirement implement CS2. The notification will list requirements. Typically, all CS1 requirements shall apply in addition to:

- An acceptable third party source must be utilized, and inspection performed and reworked as needed (Utilizing an agreed upon method acceptable to Enerpac and their customer), in an area away from the normal production area.
- The Supplier shall issue the purchase order to the third party.
- The Supplier shall provide training and document resources to the third party.
- Documentation will be provided to Enerpac for review.

**Note: Imposition of CS2 does not relieve the Supplier of continuing CS1 activities.

11.3 Release From Controlled Shipping

Exit criteria will be established by the applicable Enerpac business unit/plant at the time controlled shipping is implemented. The Supplier shall petition release from controlled shipping when all of the exit criteria are met and validated by the Quality Department of the receiving Enerpac plant.

11.4 Cost Claw-back For CSL Level 1&2. – See Section 8.3.


12 Rework and Deviation Approvals.

12.1 Rework

Rework (or salvage) is work done outside of the approved PPAP process to correct discrepancies. Any rework or salvage activities performed by the Supplier requires written approval from the Global Supplier Quality Team. The Supplier is responsible for initiating written rework requests that include, at a minimum, the following:

- Part information.
- Nature and cause of rework.
- Rework or salvage method including operator instructions.
- Quantity.
- Identification of reworked part.
- Corrective actions with dates of implementation to avoid future occurrences.

Under no circumstances shall a Supplier rework or salvage parts and ship to any applicable Enerpac business unit/plant or its customers' location without obtaining written authorization. Any reworked parts shipped without written authorization will be rejected and returned to the Supplier at their expense. Any additional costs incurred by the applicable Enerpac business unit/plant will be charged to the Supplier.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

12.2 Deviations

Suppliers shall request approval for deviation from specifications or drawing requirements in writing to the receiving applicable Enerpac business unit/plant. All requests should be made through the applicable Enerpac business unit/plant quality department. Deviations should always be requested prior to shipping product. The Supplier is responsible for initiating the request for a Deviation that includes, at a minimum, the following:

- Part information.
- Detailed description of deviation.
- Quantity of product that will be produced under deviation.
- Corrective actions to be implemented and timing for implementation.
- Method of identification of deviated parts.

Under no circumstances shall the Supplier ship discrepant parts to any applicable Enerpac business unit/plant without obtaining a signed deviation. Any parts shipped without written authorization may be rejected and returned to the Supplier at the Supplier's expense. Enerpac reserves the right to cancel any deviation at any time for any reason. Any additional costs incurred by the applicable Enerpac business unit/plant will be charged to the Supplier.

13 Materials.

13.1 Traceability

For steel, fastener, and component suppliers, all shipments to the applicable Enerpac business unit/plant are required to have proper labels for identification and traceability. Bar codes shall conform to the Enerpac Packaging guidelines unless waived by the applicable Enerpac business unit/plant for a defined quantity or time.

As a minimum, the following information must be present on each label:


- Supplier Identification.
- Product Identification Number.
- Lot Number.
- Quantity.
- Date of Manufacture/process.
- Date of Shipment.
- Heat Number (coil steels)-must use Enerpac corporate label where provided.
- Traceability requirements must be included for all materials and components.
- Cavity/ Tool traceability may also be required.

13.2 Certification

It is the responsibility of the Supplier to provide, upon request, certification of product conformance to the relevant applicable Enerpac business unit/plant for each lot of product shipped. Unless noted otherwise in purchase order, all raw materials supplied to Enerpac for manufacture (all raw metallic, resins, and chemicals) shall include a copy of the original material certificate or a material test report from an accredited ISO laboratory. The Supplier is required to retain a copy of all certification for traceability through the lot numbers on the shipping labels.

The Supplier may send the certification by email, along with each shipment or, if agreed to by the applicable Enerpac business unit/plant, keep them on file. All certifications shall be available for review upon Enerpac's request.

Certification may include information such as chemical composition, physical properties, dimensional measurements, statistical data, or test results, etc. Detailed requirements of certification will be determined and agreed to during APQP activities. Other information, such as Engineering Change Level, Original Mill Certification, or Raw Material Certification, etc., are to be retained by the Supplier and made available upon

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

Enerpac's request. The material certificates may not be altered or include markings other than verification marks of physical and chemical values and/or indication of inspection acceptance. Product that has been heat treated must include physical or mechanical properties with heat treat batch lot numbers. All material must comply with Government requirements including country of origin and country where material is melted. Age sensitive material must include material certificates as well, along with expiration dates clearly noted on the certificate and the individual container(s) applicable.

For Suppliers who provide processing services, the original lot number from the Enerpac Division shall be preserved. The Supplier can either retain the same label from Enerpac or transfer the lot number to a new tag.

It is the Supplier's responsibility to stipulate such methodologies on each product Control Plan. Detailed requirements are to be discussed with the Enerpac Materials and Procurement Department as well as the Quality Department. Details of specific requirements will be reviewed and approved during APQP activities.

14 Enerpac Specific Requirements.

14.1 Training

An established program will be operated within the company to ensure that all personnel are trained or familiarized with current company procedures through regularly scheduled training sessions. Required training will be based on the job description and requirements of the position. Training effectiveness will be measured against employee output and knowledge. Verification testing, audits, performance and operational indications will also be used to determine the effectiveness of a training program.

Training matrices shall be maintained with training in the following core tools as published by the AIAG; APQP, PFMEA, PPAP Submission, MSA, SPC. Records shall be retained for this training and effectiveness.

14.2 Maintenance of Tooling and Equipment


The Supplier is responsible for the cost of maintaining all dies, tools; weld fixtures, inspection fixtures and machines provided by the Enerpac. The Supplier shall utilize a preventive and predictive maintenance programs to maintain the condition of all production equipment and tooling. Enerpac may periodically inspect the condition of equipment. Shortcomings that are not promptly corrected shall be addressed through the applicable Enerpac business unit/plant Procurement Department. Enerpac reserves the right to correct any shortcoming and debit the Supplier the costs. The Supplier will execute a Bailee/ownership Receipt which establishes ownership of the equipment or tooling and must also maintain adequate insurance on the assets.

Contingency plans for critical equipment must be defined by the supplier and any sub tier supplier utilized. This shall include a list of critical spare parts and named leadership to ensure compliance. Supplier needs to define and monitor and when requested by Enerpac, provide evidence of these activities.

Any Enerpac owned assets (i.e. tooling and/or equipment) (the "Enerpac Assets") located at the supplier's premises will be cataloged and inventoried on a yearly basis at the supplier's location.

14.3 DISPUTE RESOLUTION

Suppliers are encouraged to work out any disputes directly with the applicable Enerpac business unit/plant with which they have their concern. Disputes that cannot be reconciled with the Divisions should be raised to Global Quality and Procurement Departments, with a copy of all correspondence to the applicable Enerpac business unit/plant. Enerpac Corporate Procurement and/or Corporate Quality will investigate the dispute and work to resolve the issue in a collaborative and timely manner.

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021


15 Contamination and Rust Prevention.

All suppliers will ensure compliance to ES404, to ensure prevention of rust during storage at both the supplier and Enerpac locations. All details are contained within the ES standard stored on <https://www.enerpac.com/en-us/support/e/supplier-documentation>.

- Part Final Condition, Preservation & Cleanliness: Specifications contained in this section apply to all parts unless otherwise specified on the specific part print.
- Parts and their packaging are to be free of rust, dirt, chips, burrs, and sharp edges.
- Parts should be presented in a manner ready for production consumption.
- The supplier shall apply a rust inhibitor to all ferrous metal parts that are not painted or plated providing surface protection. Black oxide treated parts will require rust inhibitor.
- Rust inhibitor should provide a minimum exposure of 6 months in an indoor environment. We will measure 6 months from date of receipt of product. Affiliate shipments will take into account transit time but will still be measured based on receipt of product.
 - o China – 6 week transit time reduction.
 - o European Distribution Center (EDC) – 3 week transit time reduction.
- Rust inhibitor should meet all non -hazardous material requirements and have the ability to be removed through a standard wash process commonly used in automated paint application. The supplier should contact the Enerpac SQE team for approval of rust inhibitor.
- Non Ferrous metal parts not subject to rust can be excluded from the rust inhibitor requirement. Examples of this would be for parts made of aluminum, stainless, or plastic.


16 Definitions

Acronyms	Definition
CI	Continuous Improvement
COQ	Cost of Quality
SCAR	Supplier Corrective Action Report
ISO	International Organization for Standardization
OTD	On Time Delivery
PPAP	Production Part Approval Process
PPM	Parts per million
R&D	Research and Development
RMA	Return Material Authorization
SPC	Statistical process control
SPM	Supplier performance measurement
T&C	Terms and Conditions
TS	Technical Specification
VDA	German Association of the Automotive Industry.
CPk	Process capability index
CSR	Customer Specific Requirements
EOP	End of production

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

17 Cross reference documentation

- Supplier Corrective Action Report (SCAR)
- PPAP Manual forms
- AIAG requirements and Documents www.aiag.org
- VDA requirements and documents www.vda.de

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

18 Acknowledgement and Acceptance

If the Terms and conditions have already been signed, this is no longer required, these documents are referred to in the terms and conditions already.

Enerpac Supplier Quality Manual. Rev 1

Acknowledgement and Acceptance

The **Enerpac Supplier Quality Manual** compliance is a mandatory requirement for all production material suppliers to Enerpac Group.

Please confirm your intent to comply by forwarding this official document to your main Procurement Contact Person within Enerpac. This is required before any new business is awarded.

Company details

Company name: _____

Address: _____

Supplier code _____

Name: _____

Function, Department: -

Email address: _____


Phone: _____

Location, Date: _____

Signature: _____

Company

Stamp:

ENERPAC 	Title: Supplier Quality Manual		Global
	Doc number: P-PUR-30576	Revision: 2.0	Date: Jan 2021

19 Revision History

Rev No	Reason for change
1.0	Created and released
2.0	Brand Image Changed

NOTE: This document is released across a number of sites ISO 9001 document systems.

The document is also known under the following numbering:

Site	Form Number
CPC	F-166A
EDE	ETG-QAP-005
Morpeth	ETG-QAP-005
Mirage	MML 476
ACI	ASTWI34
AST	ASTWI34
Hengelo	TBD