

# KPS SUPPLIER QUALITY REQUIREMENTS

Revision A

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#### 1.0 Introduction

- 1.1. At the Kohler Company Power Systems and Power Residential Divisions, we recognize the critical role quality plays in our success. We are committed to meeting our customer's quality needs and expectations of excellence by pursuing continuous quality, delivery and productivity improvements. A large segment of our quality performance is dependent on you as our supplier.
- 1.2. <u>Purpose</u>: This manual is an addendum to the *Kohler Global Supplier Quality Manual* that lists requirements that must be met by the suppliers. Suppliers are expected to certify/acknowledge compliance to this addendum manual and to the Kohler Company Global Requirements.
  - 1.2.1. <u>Kohler Co. Global Supplier Requirements</u>. Click the link to access Global Supplier Quality Manual, Supplier Code of Conduct, Terms and Conditions Agreement, and other supplier documents. If the link does not work, go to <a href="https://www.kohler.com">www.kohler.com</a>, click <a href="https://www.kohler.com">Suppliers</a>, <a href="https://www.kohler.com">Conducting Business</a>.
  - 1.2.2. Kohler Co Supplier Certification is an electronic automated system that allows suppliers to self-certify by acknowledging compliance with Kohler Co. requirements. If the link does not work, go to <a href="https://www.kohler.com">www.kohler.com</a>, click <a href="https://www.kohler.com">Suppliers</a>, <a href="https://www.kohler.com">New Suppliers</a>. Please see <a href="#FAQs & Instructions">FAQs & Instructions</a> on the site for further information.
- 1.3. <u>Additional Resources</u>: Reference Automotive Industry Action Group (AIAG) manuals: Failure Mode and Effect Analysis, Advanced Product Quality Planning and Control Plan, Production Part Approval Process, Quality System Requirements, Statistical Process Control, and Measurement Systems Analysis for further details. These documents can be ordered from the AIAG on-line at <a href="https://www.aiag.org">www.aiag.org</a>.

# 2.0 Production Part Approval Process (PPAP)

- 2.1. The <u>Kohler</u> Production Part Approval Process (PPAP) has been benchmarked from AIAG. The purpose of the PPAP is to determine if suppliers understand all requirements and that processes can produce parts that meet these requirements consistently.
  - 2.1.1. ES parts are not applicable and therefore will not require PPAP. See Section 2.3.3 and 2.3.11 for required documentation on ES parts.
- 2.2. <u>PPAP Levels</u>: The supplier is responsible for conducting a level of APQP (Advanced Product Quality Planning) that leads to confidence of a successful product release. This may result in the supplier completing a higher level of PPAP than the Kohler requirement.
  - 2.2.1. Submit the required documentation as shown below (or as requested by the Kohler Supplier Quality) and retain the remainder.
  - 2.2.2. Deviations to the minimum PPAP requirements must be approved by the Kohler Supplier Quality Manager or Quality Manager of the purchasing location.

Level 1: Off the shelf/ catalog part

**Level 2 and 4:** Small volume, service parts, revision changes, supplier request for change. Kohler

Supplier Quality will determine the required documentation dependent of the situation.

Level 3: Custom parts for Kohler, alternators, radiators

Level 5: Engines

PPAP Requirements	Level 1	Level 2	Level 3	Level 4	Level 5	Kohler Form Required
Part Submission Warrant (PSW)	Submit	Submit	Submit	Submit	Submit	No
Engineering & Material Spec Sheets	Submit*	Upon request	Submit*	Upon request	Submit*	No
Regulatory/ 3 <sup>rd</sup> Party Compliance Documents**	Submit*	Submit*	Submit*	Submit*	Submit*	No
Samples	Submit*	Submit	Submit*	N/A	N/A	No (reference section 2.3)
Print & Process Review (PPR)	N/A	Upon request	Submit	Upon request	Submit	Yes (reference section 2.3)
Process Flow Diagrams (PF)	N/A	Upon request	Submit	Upon request	Retain	No
Process FMEA	N/A	Upon request	Submit	Upon request	Retain	No (reference section 2.3)
Design FMEA	N/A	Upon request	Submit*	Upon request	Retain*	No (reference section 2.3)

Safe Launch Control	N/A	Upon	Upon	Upon	Upon	No (reference
Plan (CP)		request	request	request	request	section 2.3)
Control Plan (CP)	N/A	Upon	Submit	Upon	Retain	No
		request		request		
Initial Sample	N/A	Submit	Submit	Submit	Submit	No (reference
Inspection Report						section 2.3)
(ISIR)						
Material Performance	N/A	Upon	Submit	Upon	Submit	No
Test Results		request		request		
Measurement System	N/A	Upon	Submit	Upon	Submit	No (reference
Analysis Study (GR&R)		request		request		section 2.3)
Process Capability	N/A	Upon	Submit	Upon	Submit	No (reference
Studies		request		request		section 2.3)
Qualified Laboratory	Retain	Retain	Submit	Retain	Submit	N/A
Documentation						
Checking Aids	N/A	Upon	Submit*	Upon	Submit*	N/A
		request		Request		
Certificate of	Submit*	Submit*	Submit*	Submit*	Submit*	No (reference
Compliance/Analysis						section 2.3)
Appearance Approval	Submit*	Submit*	Submit*	Submit*	Submit*	No
Report (AAR)						
Boundary Samples	Upon	Upon	Upon	Upon	Upon	N/A
	request	request	request	Request	request	
Run at Rate	N/A	Upon	Upon	Upon	Upon	No
		request	request	Request	request	
Packaging Method**	N/A	Upon	Submit	Upon	Submit	No (reference
		request		request		section 2.3)

<sup>\*</sup>If applicable

#### 2.3. PPAP Document Requirements:

- 2.3.1. Regulatory/ 3rd Party Compliance Documents: Follow all requirements on the print. Must also meet all Kohler corporate requirements found in the Supplier Portal: <a href="https://www.kohlercompany.com/suppliers/conducting-business/">https://www.kohlercompany.com/suppliers/conducting-business/</a>
  - 2.3.1.1. <u>Certified</u> product requires labeling on product and/or packaging per the applicable Code, Standards, Regulatory. Preferably labeling will be on the product.
- 2.3.2. <u>Production Part Samples</u>. PPAP samples shall be taken from the initial production run and numbered to match the ISIR results. The production run shall be conducted at the production site using the production tooling, production gauging, production process, and production materials.
- 2.3.3. Print and Process Review (PPR): Conducted after supplier selection, but prior to tooling kick off. This will be a cross functional review involving Kohler Engineering, Purchasing, and Supplier Quality, as well as Engineering, Program Management, Quality and Sales representatives from the supplier. The intent of this review is to ensure transparency of the design, tooling,

<sup>\*\*</sup>Reference Kohler G-Specs or other supplier requirements

timing, and deliverables of the component. This process will be managed by Kohler Supplier Quality.

- 2.3.1.2. The supplier shall fill out the PPR form and return to Kohler prior to the PPR meeting with exception of insufficient time (less than 48 hours) given prior to the meeting.
- 2.3.1.3. Reference the chart to identify when a PPR is required:

Category	Situation	PPR Required
Kohler custom parts	Initial release	X
	Revision change	
Outsourcing/Resourcing	Change in Distributor (Same Manufacturer)	
	Change in Manufacturer (Same Distributor)	
	Supplier Plant Change	
	Supplier A to Supplier B (includes internal supplier) *	X
ES parts	Alternators*	X
	Radiators*	X
	Skids*	X
	Tanks*	X
	All other parts	

<sup>\*</sup> PPR required if a Kohler custom part

- 2.3.4. <u>FMEA:</u> The items with the 10% highest Risk Priority Number (RPN) should have actions or at minimum show risk mitigation consideration. Actions must be acceptable per Kohler Supplier Quality and additional actions outside the highest 10% RPN scores may be required.
- 2.3.5. <u>Safe Launch Control Plan</u>: Provide an organized short-term elevated quality inspection. This plan is implemented to verify product and process stability, establish common understanding of acceptable product, and/or reduce risk of non-conforming product being shipped.
  - 2.3.5.1. The need for the safe launch control plan is determined by Kohler Supplier Quality based on risk.
  - 2.3.5.2. Include features/requirements to be inspected, tools or gauging to be used, frequency of inspection and exit criteria.
  - 2.3.5.3. Exit criteria will be determined and agreed upon between the Kohler Supplier Quality and the supplier. Typical exit criteria is zero defects found either in a quantity of product produced or a specific time of manufacturing. The exit criteria along with safe launch control plan should be documented with PPAP submission.
- 2.3.6. <u>Initial Sample Inspection Report (ISIR):</u> 3 pieces per cavity or as specified by Kohler Supplier Quality are to be inspected/measured and documented. The supplier shall perform failure analysis and take corrective action for all defects found during the first piece build. Each first piece sample shall be marked accordingly.

Documentation must include:

- Kohler part number, print revision level and the tooling number (if applicable)
- Results for all requirements on the print.
- Pass/Fail for attribute data and values to the specified decimal place for variable data
- Written details on the print and the notes listed
- Measurement equipment identified for each dimension
- All nonconforming items must be highlighted or identified
- A column after each line item will report the amount out of tolerance when applicable
- Must be signed and dated
- A mapped print that corresponds to the report layout
- 2.3.7. <u>Process Capability:</u> Kohler expects that the supplier understands their process capability for features. The below tables list the required quantities and actions for critical and major dimensions.

Production Run Size	Capability Study Requirement (for critical/major features)
If the initial production run is greater than 30 pieces	30 piece minimum process capability (cpk) for new production tooling, material or process settings for all major and critical related dimensions. Kohler reserves the right to add dimensions to this requirement.
If the initial production run is less than 30 pieces	100% dimensional and visual inspection is required for each dimension as defined by Kohler. When additional orders arrive, continue to collect the data to complete a 30-piece process capability study (ppk). It is the responsibility of the supplier to evaluate and communicate to Kohler Supplier Quality that process capability is met and 100% inspection is no longer required. A CoA (Certificate of Analysis) will be required with every shipment until the process capability requirements are meet (reference 2.3.1.1).

# 2.3.8. Classification of Key Characteristics:

Characteristic	Required Cpk/Ppk
Critical-	<u>≥</u> 1.67
Major-	<u>≥</u> 1.33
All Others (No Classification)	<u>&gt;</u> 1.00

2.3.8.1. Features identified with a triangle in a circle ( ) are critical characteristics. A critical characteristic is one that, if discrepant, is likely to cause a functional failure making the final product

- inoperable or to cause a safety concern for the operator. Features classified as critical require the highest confidence that they conform to specification.
- 2.3.8.2. Features identified with a diamond in a circle (♥) are major characteristics. A major characteristic is one that analysis indicates is likely, if discrepant, to materially reduce the usability or customer satisfaction with the product. Features classified as major require high confidence that they conform to specification.
- 2.3.8.3. All other features are considered normal characteristics. A normal characteristic is one that analysis indicates is likely, if discrepant, to have a minor effect on function and appearance. Features classified as normal must conform to specification. A Cpk of ≥1.00 is required for normal characteristics for processes that are statistically controlled. A capability study will not be required on normal characteristics as part of the PPAP unless otherwise specified by Kohler Supplier Quality. Other methods may be used to measure process capability when agreement is obtained from Kohler Supplier Quality.
- 2.3.8.4. Features identified as ERC are emission related components. An emissions related characteristic is one that analysis indicates is likely, if discrepant, to cause a failure resulting in noncompliance with emissions or other regulations. Features classified as emissions related require the highest confidence that they conform to the specification. No changes in design, manufacturing processes or location are allowed without prior written approval from Kohler.
- 2.3.8.5. Kohler reserves the right to require a capability study on prints without critical/major characteristics.
- 2.3.8.6. If results fall below minimum requirements, controls need to be implemented with agreement from Kohler Supplier Quality.
- 2.3.8.7. Any features that are non-dimensional should be controlled by a process agreed to by Kohler Supplier Quality. (Examples: material, porosity, heat treating.)
- 2.3.9. <u>Measurement System Analysis Study (GR&R)</u>: Required when parts have major or critical dimensions. Complete on the major/critical dimension(s) with the inspection equipment listed on the control plan unless there is agreement with Kohler Supplier Quality to submit a previous GR&R that was completed using the same inspection equipment but different part or dimension.
- 2.3.10. <u>Certificate of Conformance (CoC)</u>: Certifications shall be sent for every shipment stating product, material, and/or dimensional specifications are met.

- Required when listed on the Kohler print. List if certificates are included on the control plan.
- 2.3.11. Certificate of Analysis (CoA): Certifications shall be emailed prior to shipment and sent with every shipment stating dimensional and/or test results. List if certificates are included on the control plan. Required for the following situations:
  - 2.3.11.1. For all major and critical dimensions until the process capability requirements are met (reference section 2.3.7 and 2.3.8).
  - 2.3.11.2. For all major and critical dimensions on ES parts.
  - 2.3.11.3. When specified on the Kohler print
- 2.3.12. <u>Boundary Samples</u>: Suppliers are responsible for establishing boundary samples for cosmetic issues, not matching the "master" samples, prior to shipping questionable product to Kohler. Boundary samples are retained by the supplier for on-going process control and serve as the "master" for comparison purposes. All cosmetic boundary samples require approval prior to implementation.
- 2.3.13. Packaging Method: Include quantity per package, pictures of <u>packaging</u>, and size of boxes and pallets. Must meet Kohler G-700 specification and any other specifications listed on the print. If specifications cannot be met, list what requirements are not met in the PPR and on the PSW.
- 2.3.14. <u>Family Part (Composite Print Parts):</u> Parts may be evaluated and PPAP submitted as a family only when they are on the same composite print and made from the same process/equipment/material.
- 2.3.15. Optional material and/or configuration: Where optional materials or configurations may be used, as indicated on the Kohler print, specify the actual material/configuration used on the PSW in the Explanation/Comments section. This applies to all submission levels.
- 2.3.16. <u>Failure to meet requirements</u>: If any of the part specifications cannot be met, the supplier shall document their problem-solving efforts and shall notify Kohler as soon as possible. All of non-conforming items at the time of PPAP should be listed in the comment section of the PSW form.
- 2.3.17. <u>Low Volume Part Approval Process</u>: Exceptions may be granted by Kohler Supplier Quality on the required PPAP documentation specified Section 2.2 for parts which marketing forecasts are low. As a general guideline, low forecast volumes are less than 30 parts per year. Contact Kohler Supplier Quality if you think this may apply.
- 2.3.18. Kohler Supplier Quality may adjust PPAP requirements as needed to address unique situations and mitigate risk.
- 2.3.19. PPAP documentation should be submitted electronically in Adobe Acrobat .pdf file format. PPAPs should be submitted to your Kohler Supplier Quality Representative (copying Kohler Purchasing).

# 3.0 Kohler Prints

3.1. Product lifecycles are managed through lifecycle states. The current lifecycle state of the Kohler print is marked along the bottom of the print. Lifecycle states are defined below.

Print Lifecycle State	Definition	Authorized for PPAP submission?	Authorized for quoting purposes?	Authorized for production?
In Progress	Design is under development.	No	No	No
Prototype	Testing and validation are in progress.	No	Yes	No
Eng. Rel Task Review	Testing and validation are in progress.	No	Yes	No
Engineering Released	Design is validated.	Yes	Yes	No
Production Released	Process is validated. This is the <u>only</u> print lifecycle state authorized for use in production.	Yes	Yes	Yes
Canceled/Obsolete	Never released or void.	No	No	No

- 3.2. G-Specs are an addendum to the print which contain additional information, specifications and/or requirements.
  - 3.2.1. Used when routine information needs to be recorded on many prints (i.e., casting tolerances, plating specs).
  - 3.2.2. G-specs can cover unique testing assembly procedures for a part or assembly.
  - 3.2.3. If there is a conflict with print tolerances, specific tolerances and notes listed on the print will always supersede G-specs.
  - 3.2.4. Supplier must review the print for any G-spec call outs.
    - 3.2.4.1. Request copies of any G-spec with quote requests or print updates if they are not included with the quote package.
    - 3.2.4.2. Request a current copy of the G-spec. It may have changed since you received the quote package.
    - 3.2.4.3. Proof of meeting all G-specs must be provided at PPAP submission and incorporated into the Control Plan.

- 3.3. It is the responsibility of the supplier to have the current revision of the industry standards that are listed on the print or technical document at the time of the current Kohler print release.
- 3.4. It is the supplier's responsibility to ensure that any supplier created prints contain all the Kohler print specifications and do not contain any conflicting information to the Kohler specifications.
  - 3.4.1. This requirement also applies to all Kohler print revision changes.
  - 3.4.2. Kohler prints must be followed for all orders.
  - 3.4.3. Kohler may sign off on supplier prints in the development stage for tooling purposes on Kohler custom parts. However, this approval shall not be taken as the official review to the Kohler print.
  - 3.4.4. Kohler is not responsible for the accuracy of supplier prints in terms of production orders.
- 3.5. For all dimensions called out on the print, the supplier should reference the following items, in order, for tolerance information:
  - 1) Print or technical document dimension tolerances
  - 2) Print or technical document notes
  - 3) G-specs noted on print or technical document
  - 4) Industry specs noted on print or technical document
  - 5) Title block
- 3.6. Geometric Dimensioning & Tolerancing (GD&T) may be used to define the geometry of the parts on a print. Questions regarding set-up of GD&T can be answered by Kohler Engineering and Supplier Quality. A list of GD&T resources, forms, and examples may be found in Appendix F.

#### 4.0 Change Process

- 4.1. Supplier Request for Change
  - 4.1.1. Reference Global Supplier Quality Manual Section 6.0
  - 4.1.2. If application testing is required by Kohler, the supplier must supply the part for testing and may need to cover any testing costs.
  - 4.1.3. Charges may apply if change process not followed, reference Section 5.6.
  - 4.1.4. Re-submission of required PPAP documentation (reference Section 2.0–PPAP) to include with the Supplier Request for Change are listed below:

Typical Reasons for PPAP Submission	Required PPAP Level
Parts Produced at alternate location	Follow PPAP levels based on
	part type
New designed tooling, tooling replacement, tooling that has	Level 2 (PSW, ISIR)
major restoration work.	
Machine or equipment location change to include moving within	Level 2 (PSW, ISIR, PF, CP)
manufacturing site. This also includes resequencing of	
manufacturing operations.	

New Material that is not specified by optional, alternative or equivalent material on the print.	Level 2
Material Source changes.	Level 2 (PSW, ISIR, Regulatory & material documents)
Any changes affecting Critical, Major or Emissions requirements.	Level 2 (PSW, ISIR, Regulatory documents)
Changes in gauging or gauging process with no effect on acceptance criteria	Level 2 (PSW, Gauge R&R)
Changes in part processing or methods to include changes in test or inspection methods with no effect on acceptance criteria	Level 2
Product produced after the tooling had been inactive for 12 months or more	Level 2
Correction of a discrepancy on a previous submitted part	Level 2

## 5.0 Defect Resolution

- 5.1. Disposition of non-conforming material. Non-conforming product found in-house at Kohler may be dispositioned by Kohler Quality in the following ways:
  - 5.1.1. Screen or rework
    - 5.1.1.1. When the supplier is responsible for creating non-conforming material Kohler will begin screening and/or reworking of material to meet our production needs. Kohler will expect the supplier to accept the cost of these activities until support of Kohler production is maintained by the supplier.
    - 5.1.1.2. Kohler Quality must agree with the supplier upon screening/rework methods. Identification of completed sort/rework is required on all boxes/pallets as well as identification on individual parts. Kohler Quality must agree to the type and location of the identification markings.
    - 5.1.1.3. The quantity and/or timeframe in which Kohler will accept reworked material must be agreed upon in advance.
    - 5.1.1.4. If the supplier is conducting the screening/rework at Kohler, correct safety equipment must be worn including ASTM-2413 approved steel toe safety shoes, safety glasses with side shields that meet ANSI Z-87, and ear plugs.
  - 5.1.2. Parts are not to be released from screening/rework until Kohler Quality authorizes the release.
    - 5.1.2.1. Rejection of material: A Return Material Authorization (RMA) will be requested.
    - 5.1.2.2. A RMA is required within 5 business days
    - 5.1.2.3. If more than 5 business days are needed, notify Supplier Quality before the deadline is reached.

- 5.1.2.4. The RMA should state the disposition of the material, either scrapping at Kohler or returning to the supplier facility.
- 5.1.2.5. If parts are being returned, shipping instructions including the shipping account number (if applicable) shall be provided.
- 5.1.2.6. If the required information is not provided within 5 business days, Kohler will scrap the material or ship the material collect per the guidelines below:

Rejected Material Cost	Disposition
<\$100 Domestic	Scrap
<\$300 International	
>\$100 Domestic	Return
>\$300 International	

- 5.1.2.6.1. Kohler Supplier Quality may determine to have material shipped collect, even when the material cost is less than the specified guidelines above, if material needs to be returned for root cause analysis
- 5.1.2.6.2. A debit memo will be issued for the value of the rejected material which should be processed once received
- 5.1.2.7. Kohler will not request a RMA on rejected material that is less than \$10 unless requested specifically on the quality notification.
- 5.1.2.8. If returned parts are found to not be a supplier issue or there is any disagreement with the rejection, contact Kohler Supplier Quality.
  - 5.1.2.8.1. Returned parts shall not be returned to Kohler without prior authorization from Kohler Supplier Quality
- 5.1.3. Use-as-is
  - 5.1.3.1. Kohler may use non-conforming as is or with minor rework.
  - 5.1.3.2. No RMA nor rework charges are requested
- 5.2. Upon receipt of a QM notification/ defective material report (DMR):
  - 5.2.1. Contain all suspect inventory located at supplier facilities and in the distribution system.
    - 5.2.1.1. Containment actions must be documented by the supplier and may be requested by Kohler Quality.

- 5.2.2. Short-term corrective/preventive actions are to be put in place to prevent additional non-conforming material from reaching Kohler.
- 5.2.3. Report results of any sorting activity to Kohler Quality
- 5.3. Upon receipt of a Supplier Corrective Action Request (SCAR/CAPA):
  - 5.3.1. Complete the actions outlined in section 5.2 and those listed in this section.
  - 5.3.2. Analyze the problem using the 8D problem solving method, or similar process.
  - 5.3.3. Submit a formal corrective action response to Kohler Supplier Quality within the timeframe required by the SCAR, reference section 5.3.4 response times.
    - 5.3.3.1. No specific response format is required. Any form may be used as long as the following items are responded to fully and completely:
      - <u>Problem Statement:</u> Must be detailed enough to completely convey the issue, where and how the defect was found, failure rate, and what part numbers and date code/lot is affected (if known).
      - <u>Containment</u>: Containment actions must be documented and submitted to Kohler Quality within 24 hours.
      - Root Cause: Definition and verification of the root cause of the non-conformance, including supporting data and/or study results. Suggested tools include Ishikawa (fishbone) diagram and 3 legged 5 why (reference SCAR Template for tool templates). Kohler Supplier Quality may require specific tools to be used.
      - Short-term Corrective Action: (reference section 5.2.2).
      - <u>Permanent Corrective Action</u>: Provide a long-term plan to correct the non-conformance, including expected implementation dates.
      - <u>Controls/Preventive Action</u>: Suppliers are responsible for updating control plans, process/design FMEAs and other internal documentation to prevent the problem from reoccurring. Copies of updates should be included in SCAR/CAPA response. PPAP submission may be required (reference section 2.0 PPAP Requirements).
      - <u>Verification</u>: It is expected that the supplier will audit the corrective action for effectiveness and take further action if conformance is not maintained. An expected audit date should be provided in the response.

5.3.4. Required SCAR response times are shown below. All reasonable requests for additional time will be considered. Contact Kohler Supplier Quality to discuss timing, if necessary.

Response	Required Response Time from notification
Up to D3 (Containment)	1 business day
Completed 8D response	30 calendar days

- 5.3.4.1. In order to submit the completed 8D, the verification plan must be identified with target dates but is not required to be completed at time of submission
- 5.3.4.2. The supplier will provide additional information, as requested, when the response does not meet Kohler's expectations.
- 5.3.5. Depending upon the severity of the problem, Kohler reserves the right to request a new PPAP submission, and/or a site audit for verification of the corrective action.
- 5.3.6. Kohler reserves the right to request certification to be shipped with each lot of material to verify that corrective actions are implemented, and conformance maintained.
- 5.4. Failure to execute corrective action plans and/or repeat DMR occurrences is unacceptable. In the event the supplier is not actively participating in protecting Kohler's production from receiving non-conforming material, Kohler retains the right to implement extraordinary actions in order to minimize risk affecting Kohler's customers. Specific examples include but are not limited to additional level of inspection at Kohler or the supplier; third party certification. Kohler's intentions are to use such activities only as a last resort if the supplier is unwilling or unable to manage the situation.
- 5.5. For product/shipment holds that directly impact Kohler customers, daily updates on the SCAR progress may be required. If progress is not acceptable per Kohler, onsite visits at Kohler or the supplier may be required.
- 5.6. Suppliers are liable for all charges related to a quality issue such as crane costs for field issues, charges for failure to notify Kohler of a change, Engineering time, etc. Charges applied are per Kohler's discretion
  - 5.6.1. A fee of up to \$10,000 may be applied to any large issue resulting from failure to submit and/or failure to receive approval on a Supplier Request for Change.

# 6.0 Supplier Review

- 6.1. Suppliers are measured using a RPN score. It is calculated each month based on DPPM, number of issues, SCAR closure time and impact to the production line. The scores are generated on a rolling six-month. Higher RPN scores indicate poor quality performance.
- 6.2. The way each score is generated is as follows:

#### Average Impact to Line:

- 1: Low: No downtime or product rework required (replacement components are easily accessible)
- 3: Normal: Screen stock, deviation, or rework required to keep production going
- **5: High:** Impact to generator test stand is more than 1 hour per instance or issue causes a late customer shipment. If the late customer shipment is a generator 600KW or larger or a switch gear with at least a 2 week build time, the rating changes to Urgent.
- 7: **Urgent:** Results in a production hold, shipment hold, field campaign, or the formation of a Rapid Deployment Team.

## Average SCAR Closure:

- 1: 0 30 days
- 3: 31 45 days
- 5: > 45 days

#### DPPM:

- 1: 0 500
- 3: 501 6000
- 5: > 6000

## Number of Events:

- 1: 0-4
- 3: 5 -12
- 5. > 12
- 6.3. <u>Top 10 Poor Performing Suppliers List</u>: If suppliers are in the Top 10 Poor Performing Suppliers due to high RPN scores, they may be required to provide weekly updates and have on-site reoccurring presentations with Kohler Purchasing and Supplier Quality on actions that they are taking to improve their quality performance.

#### 7. Process Owner:

- 7.1. Supplier Quality
- 8. ISO9001:2015 Clause:
  - 8.1. 8.4 Control of externally provided processes, products and services
- 9. References:
  - 9.1. Kohler Global Supplier Quality Manual
- 10. Retention:
  - 10.1. There are no records to retain related to this procedure.

# 11. KATSS #: NA

# 12. Revision History:

12.1. Revision A: Initial release (Jean Seger); Effective: 01/12/2021

# 13. Approvals:

Title/Signature/Date - Managers of Responsible Departments						
SR MGR-PURCHASING, PS	Todd Rydzewski	01/12/2021				
DIR-QUALITY, POWER SYSTEMS	Tim Reis	01/12/2021				
DIR-PURCHASING, POWER SYSTEMS	Philippe Aballea	01/12/2021				