



## QUALITY ASSURANCE SELF SURVEY FACT SHEET

### I) GENERAL INFORMATION

a) Company Name: Power Device Corporation ISO 9001 Registered  
AS9100 Registered

b) Address: Facility Location: 40 Orville Drive, Bohemia, NY 11716  
Remit To: P.O. Box 933532, Cleveland, OH 44193

c) Internet Address: [WWW.POWERDEVICECORP.COM](http://WWW.POWERDEVICECORP.COM)

d) Telephone: (631) 333-7950

e) CAGE Code: 9H5Q5, 07F57

f) D & B Number: 173752700 Tax ID No.: 11-2437907

g) Facility Area: 42,300 sq. ft.

h) Manufacturing Area: CCA: 10,000 sq. ft. Hybrid: 11,800 sq. ft.

i) Clean Room: Class 10,000/100,000

j) Sales: Military: 90% Commercial: 10%

k) Number of Employees: Total: 107  
Quality: 9 Manufacturing: 48 Engineering: 29

l) In Business since 1964

m) Supplies/Services: Power Device Corporation (PDC) is a world leader in the design and manufacture of high-reliability Power and Control solutions for aerospace, defense, space, and industrial applications.

### II) SENIOR ORGANIZATION CHART

President Guy Landau

VP, Operations

Fabrizio Coduri

Human Resources

Carla Boyle

VP, Finance

Nicole Hoffman

VP, Engineering

Robert Nadolne

VP, Sales/Marketing

Kevin O'Keefe

Quality Manager

Marie Widmer



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<b>III) MAJOR CUSTOMERS</b>		
a) BAE	c) DRS	e) General Dynamics Land Systems
b) L3 Harris	d) Raytheon	f) Collins Aerospace
<b>IV) QUALITY PROGRAM CHARACTERISTICS</b>		
4.1 -	PDC is ISO9001 Registered – DQS, Inc. [Certificate is available on PDC website.]	
4.2 -	PDC is AS9100 Registered – DQS, Inc. [Certificate is available on PDC website.]	
4.3 -	PDC’s Product QMS Brochure can be provided upon request.	
4.4 -	PDC, as a subsidiary of DDC, utilizes DDC’s Hybrid Assembly lines are certified by DLA to MIL-PRF-38534 for Classes “K,” “H,” “G,” and “D” Products. [Certificates are available on DDC website.]	
4.5 -	PDC has an independent Quality organization reporting directly to the Vice President of Engineering.	
<b>V) DRAWINGS, SPECIFICATIONS AND PROCEDURES</b>		
5.1 -	All PDC drawings and specifications are controlled using a central documentation control system.	
5.2 -	The documentation control system ensures that only the latest revision of drawings and specifications are used.	
5.3 -	The documentation control system provides for the removal of obsolete and superseded or changed documents.	
5.4 -	The documentation control system is maintained by the Engineering Documentation group.	
5.5 -	Design, Drawing and Change Control is the responsibility of the Engineering Department.	
<b>VI) METROLOGY AND CALIBRATION OF INSPECTION, MEASURING AND TEST EQUIPMENT</b>		
6.1-	PDC’s calibration and control system conforms to the requirements of ANSI/NCSL Z540.3-2006.	
6.2 -	All standards are traceable to the National Institute of Standards and Technology (NIST).	
6.3 -	Historical calibration records are maintained.	
6.4 -	All tools and test equipment are labeled showing evidence of calibration status.	
6.5 -	PDC maintains written procedures for calibration.	
6.6 -	All tool calibrations are performed by PDC’s metrology lab or by approved outside calibration laboratories.	
6.7 -	All electrical equipment calibrations are performed by PDC’s metrology lab or by approved outside calibration laboratories.	
6.8 -	PDC’s Equipment List is available on request.	



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VII) PURCHASING AND RECEIVING INSPECTION	
7.1 -	PDC maintains an Approved Supplier List (ASL).
7.2 -	PDC maintains records of supplier evaluations, Source Inspection and on-site supplier evaluations.
7.3 -	PDC collects and maintains incoming inspection supplier performance data.
7.4 -	Supplier performance data is utilized by other departments in making procurement decisions.
7.5 -	All supplier PO's are available for use by receiving inspection personnel.
7.6 -	All incoming material is subject to inspection per PDC's Standard Operating Procedure.
7.7 -	Periodic analysis is performed on raw materials. (Ex. Inks, Epoxy, Getter, etc)
7.8 -	Historical records are maintained on all incoming material including acceptance and rejection results, as well as quantities received.
7.9 -	ESD precautions are implemented in accordance with ANSI/ESD S20.20.
7.10-	Incoming Inspection maintains segregated and secured areas for nonconforming material.
VIII) IN-PROCESS, FINAL INSPECTION AND TEST	
8.1 -	PDC maintains records of all inspections and tests performed.
8.2 -	Inspection/Test status maintained by use of travelers and stamps.
8.3 -	Current specs, drawings, procedures, ECN's, etc., are readily available for use by inspection personnel.
8.4 -	PDC maintains Quality Records for a minimum of 7 years.
8.5 -	In-process inspection and test are performed under the surveillance of Quality Assurance.
8.6 -	Final inspection is performed by Quality Inspection personnel.
8.7 -	Lot traceability is maintained by the use of a serial number and lot numbering system.
8.8 -	Nonconforming material is identified and segregated from acceptable material.
8.9 -	Appropriate ESD precautions are implemented in accordance with MIL-STD-1686.
8.10 -	Periodic audits are performed by Quality Engineers to assure compliance to documented procedures, and quality system requirements.



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<b>IX) FAILURE ANALYSIS</b>	
9.1 -	PDC maintains a failure analysis system.
9.2 -	When failure analysis is required, all defective product and related data is analyzed to determine the root cause and the extent of the discrepant condition.
9.3 -	The data received from failure analysis is used to formulate corrective action and prevent recurrence.
9.4 -	Failure analysis is performed by PDC Manufacturing, Quality, and Process and Test Engineering personnel.
9.5 -	PDC maintains an in-house, real time, digital x-ray system.
<b>X) CONTRACT REVIEW</b>	
10.1 -	PDC Inside Sales Department is the central point-of-contact for all contractual documentation.
10.2 -	During the quotation phase, for non-standard products, the Contracts Department distributes all pertinent customer documentation to Engineering and Quality Assurance Engineering for review and comments.
10.3 -	PDC Quality Assurance, Design, and Test Engineering review all customer specification control drawings for non-standard products. These non-standard products are identified by unique part numbers or suffixes assigned by PDC.
10.4 -	PDC Quality Assurance Engineering reviews all Quality provisions of customer purchase orders for non-standard product flow down through manufacturing and product delivery.
10.5 -	Any comments or exceptions from the quotation and/or purchase order review for non-standard products are given to Inside Sales for communication to and resolution with the customer.
10.6 -	A Product Assurance Plan (PAP) is generated as a checklist by Quality Assurance Engineering for defining the quality requirements for non-standard products.
10.7 -	The PAP provides all planning elements for Engineering, Manufacturing, Quality Assurance, and Quality Control, to assure compliance to contractual requirements for non-standard products.
<b>XI) GENERAL INFORMATION</b>	
11.1 -	ESD protective packaging is used when shipping and storing static sensitive devices.
11.2 -	PDC maintains written instructions for ensuring proper methods of Packaging and Shipping.
11.3 -	PDC does not use loose fill when packaging product.
11.4 -	PDC utilizes Statistical Process Control (SPC) in manufacturing.
11.5 -	Sampling plans are in accordance with ANSI/ASQC Z1.4.
11.6 -	Special Processes: PDC does not perform any special processes as defined by AS9100.
11.7 -	Counterfeit Material Avoidance Process Requirements: PDC maintains a counterfeit item risk mitigation process with its suppliers that is designed to meet AS6081 by purchasing only from OEM's and OEM franchised distributors.



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<b>XII) TRAINING</b>	
12.1 -	Personnel are hired and qualified based on education, experience and on-the-job training.
12.2 -	Supervisors assess individual training needs based on job requirements and responsibilities.
<b>XIII) CONTINUAL IMPROVEMENT</b>	
13.1 -	The company has a Process Improvement Steering Committee that has the responsibility to identify, select and oversee projects and their progress.
13.2 -	PDC evaluates customer ratings/scorecards to identify areas of improvement and to increase customer satisfaction.
<b>XIV) CORRECTIVE AND PREVENTIVE ACTION SYSTEM</b>	
14.1 -	PDC maintains a root cause corrective action system and in certain cases follows the '8D' problem solving methodology.
14.2 -	Inputs to this system come from, customer complaints, inspection rejects, internal audits, qualification test failures and external audit findings.
14.3 -	PDC maintains a preventive action system that reviews several data streams for adverse trending.