QUALITY ASSURANCE SELF SURVEY FACT SHEET

I) GENERAL INFORMATION

a)	Company Name:	Power Device Corporation -ISO 9001 Registered -AS9100 Registered	
b)	Address: Facility Location:	105 Wilbur Place, Bohemia, NY 11716	
	Remit To:	P.O. Box 933083, Cleveland, OH 44193	
c)	Internet Address:	WWW.POWERDEVICECORP.COM	
d)	Telephone:	(631) 333-7950	
e)	Fax - Main - (631) 567-7358	Fax - QA - (631) 244-8252	
f)	CAGE Code: 19645	D & B Number: 119124596	Tax ID No.: 11-2437907
g)	Facility Area:	100,000 sq. ft.	
h)	Manufacturing Area:	29,000 sq. ft.	
i)	Clean Room:	Class 10,000/100,000	
j)	Sales:	Military: 85%	Commercial: 15%
k)	Number of Employees: Total: 208		
	Product Assurance: 14	Manufacturing: 114	Engineering: 42
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 aero-space, defense, space, and industrial applications.	

II) SENIOR ORGANIZATION CHART

President: Vince Ciolli

VP, Operations
Fabrizio Coduri

VP, Finance
Nicole Hoffman

VP, Sales/Marketing
Rolf Mahler

Director, Human Resources
Nancy Schreck

VP, Engineering
Robert Nadolne

Director, Quality
Mark Scheunemann

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III) **MAJOR CUSTOMERS**		
a) BAE	c) DRS	e) General Dynamics Land Systems
b) L3 Harris	d) Raytheon	f) Collins Aerospace

IV) **QUALITY PROGRAM CHARACTERISTICS**	
4.1 -	PDC is ISO9001 Registered – DQS, Inc. [Certificate is available on the PDC website.]
4.2 -	PDC is AS9100 Registered – DQS, Inc. [Certificate is available on the PDC website].
4.3 -	PDC's Product Assurance Manual (PAM) can be provided upon request.
4.4 -	PDC, as a subsidiary of DDC, utilizes DDC's Hybrid Assembly lines that 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.

V) **DRAWINGS, SPECIFICATIONS AND PROCEDURES**	
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5.3 -	The documentation control system provides for the removal of obsolete and superseded or changed documents.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.

VI) **METROLOGY AND CALIBRATION OF INSPECTION, MEASURING AND TEST EQUIPMENT**	
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.

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 Assurance 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 Assurance Engineering to assure compliance to documented procedures, and quality system requirements.

IX) **FAILURE ANALYSIS**	
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.
X) **CONTRACT REVIEW**	
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 Product Management Department distributes all pertinent customer documentation to Engineering and Quality Assurance Engineering for review.
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.
XI) **GENERAL INFORMATION**	
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.

XII) **TRAINING**	
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.
XIII) **CONTINUAL IMPROVEMENT**	
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. The following email address has been established for this purpose: **pacustrating@ddc-web.com**
XIV) **CORRECTIVE AND PREVENTIVE ACTION SYSTEM**	
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.