



DLA
DEFENSE LOGISTICS AGENCY
Established 1961



The Nation's Combat Logistics Support Agency

Engineering & Technical Support (V)

Eugene Williams, Director
Renee Magill, Deputy Director

Controlled by: DLA L&M - V
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WARFIGHTER ALWAYS



Engineering and Technical Support

Mission

Provide technical and logistics solutions with responsive risk-managed engineering and testing services to the DoD supply chain.



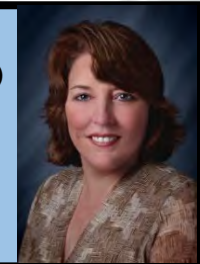
DLA Land and Maritime Engineering and Technical Support Directorate (V)

Director – Eugene Williams 2-8781

Deputy Director – Renee Magill 2-5341

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**Document Standardization
Division
VA**
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**Active Devices
VAC**
Muhammad Akbar

**Interconnection
VAI**
Abdonasser Abdouni

**Microelectronics
VAS**
James Eschmeyer

**Electronic Components
VAT**
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**Value Management
Division
VE**
*Jonelle Lyons
2-7153*

**Value Engineering
VEB**
Alex Baillieul

**Value Management
VEE**
Eric Wilde

**DMSMS/SDS
VEE1 (VSD)**
Stephen Foster

**Industrial Spec
VEB1 (VSD1)**
Eugene Mitchell



**Product Data & Verification
Division
VP**
*Dave McGraw
2-3251*

**Product Verification
VPV**
Andy Sammons

**Product Data
VPT**
Robert Martell

**Common Support
Team VPTC**
Matthew Eitel

**Land Support
Team VPTL**

**Packaging
VPTL1 (VSP)**
Arretta Griffith

**Maritime Support
VPTM**
Deylon Watson



**Sourcing & Qualifications
Division
VQ**
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**Electronics Devices
VQE**
Ray Kolonchuk

**Hybrid Devices
VQH**
Chris Hancock

**Passive Devices
VQP**
John Casto

**Custom Devices
VQC**
Michael Adams



**Product Test Center
Division
VT**
*John Elavsky
2-9857*

**Electronic Active Devices
VTA**
Eric Kelly

**Passive/ Electromechanic
VTP**
Eric Kelly

**Mechanical
VTM**
Jeffrey Fleegeer



Document Standardization Division (VA)

Mission:

To provide the warfighter with the standardization of equipment, parts, and materials that are interoperable, reliable, and technologically superior.

Standardization Documents

		Count	Total
Assist	Active	5,535	11,311
	Inactive (for New Design)	1,674	
	Cancelled	4,102	
Land & Maritime	Drawings	1,145	1,145
5962	Standard Microcircuit Drawings (SMDs)	4,235	4,956
	Vendor Item Drawing (VIDs)	721	
Preparing Activity (PA) Document Total			17,412
# NSNs on Total Documents			275,244

Website

<https://landandmaritimeapps.dla.mil/programs/milspec/>

- **Preparing activity for 73 Federal Stock Classes (FSCs):**
 - Develop, coordinate, approve military specifications/standards
 - Work with DoD customers and industry on non-government standards
 - Develop military and commercial engineering drawings
- **Parts Engineering Support:**
 - Engineering support on parts issues
 - Assists equipment manufacturers with parts evaluations
 - Assists Engineering Support Activities (ESAs) with technical evaluations
- **Parts Standardization/Item Reduction**
- **Data Cleansing Program to correct TIR NSN data**
- **Section 508 Compliance Requirement (Rehabilitation Act of 1973)**



Sourcing and Qualification Division (VQ)

Mission:

To establish and maintain a known-good supplier base that have successfully demonstrated their products met the specified performance, quality, and reliability levels via the DoD Product Qualification Program.

Qualification Participants

Type	Location		Total
	CONUS	OCONUS	
Manufacturer	389	139	528
Dealer	40	0	40
Test Lab	110	10	120
Total	539	149	688

Qualification Requirements:

- Submit Package
- Provide Testing
- Pass Audit
- Submit Retention Reports

- Provides DoD with pre-approved suppliers of standardized parts
- Serves as DoD National Qualifying Activity for assigned FSCs:
 - Suppliers seek qualification through VQ
 - <https://www.dla.mil/LandandMaritime/Offers/Services/TechnicalSupport/SourcingDiv/>
- Land & Maritime Counterfeit Mitigation POC
- Program Benefits:
 - Verifies capability and compliance to requirements
 - Improves availability and lead times, plus reduces backorders
 - Lowers life cycle cost
 - One-stop shopping lists of qualified suppliers/parts
 - Provides DoD tremendous audit/testing savings



Product Data & Verification Management Division (VP)

Product Verification Program:

- Ensure “Right Item” is provided to the Warfighter
- Identify product discrepancies through various test programs and material audits
- Government/Industry Data Exchange Program (GIDEP) notices
- Counterfeit Material/Unauthorized Product Substitution (CM/UPS)
 - Interdisciplinary Team includes Legal, Contracting Officers, PTC, and criminal investigators
- Reduce material management cost
- Increase product reliability

Product Data Management:

- Acquire and authenticate technical data
- Create Technical Data Packages
- Manage classified technical data for the DLA Enterprise
- Validate and provide data uploads for Long Term Contracts
- Manage cFolders
 - Add authorized vendors to solicitation user groups
- Manage Non-Disclosure & Rights data

Packaging Support:

- Validate or Resolve Unit of Issue/Quantity Unit Pack data
- Process packaging related quality discrepancies
- Process Purchase Requisition (PR) & Contract (PO) Packaging reviews
- Provide Packaging Training Vendor Outreach for TKO's and PTACs



Product Test Center (VT)

Mission:

Maintain the capabilities to provide testing results and technical support that is accurate, timely, and completed in a cost-effective manner

Customers:

- DLA Major Subordinate Command (MSC's)
- External Customers

Test Labs:

- Electronics (VTA/VTP) - L&M
- Mechanical (VTM) – L&M

Value of Testing:

- Ensures Product Conformance
- Mitigates the Risk of Counterfeit Parts entering Supply Chains
- Reduces Customer Complaints
- Reduces Material Cost
- Identifies Questionable Sources

• Pre-acceptance of Contract Delivery:

- Product Verification Tests (PVT)
- First Article Testing (FAT)
- Production Lot Testing (PLT)

• Directed Testing:

- Product Quality Deficiency Reports (PQDRs)
- CM/UPS (Fraud Investigations)
- Shelf-Life Evaluations
- Material Returns
- Stock Screenings

• Conformance Testing of DLA stock:

- Targeted Sampling Programs

• Fixturing Shop Services

• Reverse Engineering / R&D Support

• Calibration

• Training

• Consultations/Technical Support



Product Test Center (VT)

Electronic Product Test Center:

- **Electrical Testing** - using analog and digital test equipment
- **Environmental Simulation/Reliability Tests**
- **Destructive Physical Analysis** - detailed examination of a component in various states of physical disassembly to identify discrepancies and their probable cause
- **Failure Analysis** - usually consists of a series of nondestructive and destructive tests to determine the failure mode
- **Materials Analysis** - determine material composition by identifying chemical elements within the component
- **Qualification Testing** - Approved to conduct qualification testing to selected Military Specifications
- **Performance Testing**
- **Non-Destructive Testing**
- **PROM / ROM** – Program microcircuits per customer
- **DNA Marking Program** - Device authentication
- **Battery Test Program**

Mechanical Product Test Center:

- **Mechanical Testing** - tensile properties, thread tests, failure analysis, protective finish, shear, thermal, hermetic, and calibration.
- **Metrology (equipment)** - coordinate measuring machines, optical measuring machines, circular geometry machinery, optical comparators, and a variety of other free standing and hand-held measuring equipment.
- **Non-Destructive Testing** - inspection methods include magnetic particle, liquid penetrant, ultrasonic, and eddy current.
- **Performance Testing** – hydrostatic and air pressure testing.
- **Metallurgical** - OES and XRF chemical analysis of alloys, microstructure analysis, hardness, microhardness, plating and finish analysis.



Value Management and Engineering Support Division (VE)

Mission:

Support our customers by offering engineering, technical, and supply chain support in resolving logistic type readiness issues while proactively incorporating cost saving measures

• Engineering/Technical Support:

- “Single Face” to ESAs
- Resolve and/or Elevate Engineering issues
- Manage Support Agreements & Funding for ESA/Testing

• Reverse Engineering Program:

- Replicate designs & develops technical data packages

• Small Business Innovative Research (SBIR):

- Research & Development program utilized to fund breakout projects for items with obsolescence issues

• Advanced/Additive Manufacturing Support:

- Support in developing process for 3D Printing
- Working with DLA HQ & Services on integrated plan

• Price Challenge Program Review:

- Review pricing complaints from customers

• Should Cost Program:

- Assist buyers in determining intrinsic cost of an item for pre-award evaluation and price negotiations

• Breakout Program:

- Review contractor Source Approval Requests (SARs), identify available technical data for procurements, and recommend additional sources.

• Replacement Parts, Purchase or Borrow Program (RPPOB):

- Avenue for contractors to obtain government approved parts for developing Reverse Engineering SARs

• Value Engineering Change Proposals (VECPs):

- Shared savings program for product improvements that are submitted and approved after contract award

• Casting and Forging Program:

- Offer technical support on items that contain castings or forgings (sources, pricing, and tooling)

• Organic Manufacturing (OM) Program:

- Obtain parts from military depots, arsenals, and laboratories



Value Management and Engineering Support Division (VE)

- **Hazardous Materials Support:**

- Reduce hazardous materials in DLA managed items
- Review Safety Data Sheet (formerly Material Safety Data Sheet)
 - Ensure latest chemical/item characteristics are current and safety/health warning labels addressed in DLA Contracts
- P.O.C. for Hazardous Minimization and Green Program Initiatives for DLA

- **Diminishing Manufacturing Sources and Material Shortages (DMSMS) Management:**

- Monitor End of Life Notices
- Sustainment – hard to procure items
- DLA Outreach w/ Vendors & Manufacturers

- **General Emulation Microcircuits (GEM):**

- Management of “General Emulations of Microcircuits”

- **WarStoppers Program:**

- Develop and Monitor DoD Investment Strategies for Readiness
- Partner with Industrial Base to gain access to commercial inventory for acquisition support
- Identification of Critical Shortfalls in Industry Capability and Capacity
- Contractor Performance History Assessment
- Industrial Base Planning

- **Industrial Specialist:**

- Business IQ Reports
- Risk assessment/DCMA oversight coordination
- Capability Questionnaires
- Pre-award Surveys (PAS)
- DPAS Rating review/validation/update

- **GFM/GFP:**

- Government owned tooling and machinery
- Government owned material (raw material or components)
- Government furnished materials (ammo, barrels, etc.)

