



DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY



Supply Chain Sustainability and Hazardous Materials Minimization (HAZMIN) Team

Helping the Warfighter
Become Green!

James L. Reed

Report Documentation Page

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Agenda

- DLA Mission
- Full Spectrum Support
- Scope of DLA Customer Support
- DoD's Supply Chain Manager
- Global Supply Chains
- DLA Supply Chain Sustainability & HAZMIN Team
- Primary Level Field Activity (PLFA) Support, Projects & Programs





Mission: Supporting the Warfighter

We are America's combat logistics support agency. Our mission is to provide best value integrated logistics solutions to America's Armed forces and other designated customers in peace and in war, around the clock, around the world.





DLA's Scope of Support





We Are DLA

- **America's Combat Logistics Support Agency**
 - **25,340 Civilians, 559 Active Duty Military, 759 Reservists**
 - **Located in 48 States/28 Countries**
- **Global Support To Warfighters by:**
 - **Processing an average of 116,087 requisitions per day**
 - **Producing an average of 10,987 contract lines awarded per day**
 - **Staffing 26 Distribution Depots Worldwide**
 - **Processed 22.8M Receipts and Issues during the past 12 months**
 - **Managing nearly 5M items through eight supply chains**
 - **Supporting more than 1,900 Weapon Systems**
 - **Providing nearly 84% of Services' repair parts**
 - **Providing 100% of Services' subsistence, fuels, medical, clothing & textiles, construction & barrier material**



We Are DLA *in Elite Company*

- **FY04-FY10 sales/services of \$28-\$41B**
 - **#51 on the Fortune 500 list**
 - **FY 11 projected revenue of \$41.5B**
 - **Third largest storage capacity of the top 50 Distribution Warehouses (Only FedEx and UPS have more)**
 - **130M Barrels of Fuel sold in FY 10 and 129M in FY 09**
 - **Reused, transferred, disposed and donated nearly 26B per year in material across the supply chain**
- **Our reach extends far beyond DoD**
 - **Foreign Military Sales program supports 118 Nations**
 - **\$1.6 B in Sales and 585K shipments in FY10**
 - **Supports Worldwide Humanitarian Relief**
 - **Federal Emergency Management Agency**
 - **Other federal and designated state and local customers**



Global Supply Chains

Troop Support

- CLI: Subsistence
 - Food Service
 - Produce
 - Operational Rations
- CLII: Clothing & Textile
 - Recruit Clothing
 - Organizational Clothing & Individual Equipment
- CLIV/VII: Construction & Equipment
 - Facilities Maintenance
 - Equipment
 - Wood Products
 - Safety & Rescue Equipment
- CLVIII: Medical
 - Pharmaceutical
 - Medical/Surgical Equipment

Aviation

- CLIX:
 - Engine Components, Air Frames
 - Flight Safety Equipment, Maps
 - Environmental Products

Land and Maritime

- CLIX: Maritime
 - Valves, Fluid Handling
 - Electrical/Electronics
 - Motors, Packing/Gaskets
- CLIX: Land
 - Wheeled, Tracked & Heavy Vehicle Parts
 - Vehicle Maintenance Kits
 - Power Transmission/Engine/Suspension Components
 - Tires, Batteries and Small Arms Parts

Energy

- CLIII: Energy
 - DoD Executive Agent for all Bulk Petroleum
 - Natural Gas, Coal, Electricity
 - Aerospace Energy





DLA Supply Chain Sustainability and Hazardous Materials Minimization (HAZMIN) Team



- Consist of Representatives of DLA Headquarters and each of the Primary Level Field Activities



Buying Green – a Multifunctional Approach to Pollution Prevention

This 2-day workshop offered by the DLA Training Center (DTC) provides an overview of the Federal pollution prevention initiatives and how they relate to the DoD acquisition process. **Highlights** include:

- P2 Laws/Executive Orders/Regulations
- Green Procurement Program
- Environmentally Preferred Products
- Life-cycle Costing
- Acquisition Planning
- FAR requirements

- **Course Number & info:** (DCPSO00R750)
- <http://www.hr.dla.mil/downloads/trn/courses/environmental.pdf>
- **POCs: Workshop Mgr - D850-6166, Comm 614-692-6166**



DOD EMALL

DOD's Online Shopping Tool

- Web self-service capability for the DOD
- Sells both finished goods and services
- Supports contracts written by DLA, GSA, Services, Federal agencies
- Offers over 35M items from government stock, long term contracts and 1700 catalogs
- Currently adding about 20 vendors a month and over 750K items of content a month
- FY08 Total Sales \$835M; Green Sales \$7.3M



1st Choice Support for the Warfighter
(Federal Buyers Welcome Too!)





DOD EMALL

DOD's Online Shopping Tool

Unclassified / For Official Use Only

1st Choice Support for the Warfighter
(Federal Buyers Welcome Tool!)

My Account | Help Desk | Logout

Shop | Carts | In Checkout | Orders | Tools | Admin | Reports

Catalog Search | Power Search | Product Comparisons | Specialty Stores | Competitive Pricing

» Home » Shop » Search » View Results

You are logged in as: MORAN

Region/Special Codes: Country: UNITED STATES Postal Code: 22060

Cart Summary: Line Count: 0 Sum Total: \$0.00

Search History: 1 2 3 4 5

Change Corridor
All of DOD EMALL

Start A Search

Keywords
cartridge, toner

NSN/Item Number
Equals

Refinements
 Keep Discard
Clear Search

Refine Your Search

By Category
All NSNs
Commercial (UNSPSC)
Federal Catalog System

By General Attribute
CC MIL JWC SBA

DAYS ARD
PRICE
Price per Unit of Issue
SUPPLIER
Alphabetic

Current Search:
Keyword: cartridge, toner in Corridor: All of DOD EMALL

Product Categories With the Most Frequent Matches

- CARTRIDGE, TONER
- INK, CARTRIDGE
- DRUM, FACSIMILE
- THERMAL IMAGING SYSTEM
- PRINTER, AUTOMATIC DATA PROCESSING
- TONER, PHOTOGRAPHIC
- DEVELOPER, INDIRECT ELECTROSTATIC PROCESS
- TONER, INDIRECT ELECTROSTATIC PROCESSING
- LITHOGRAPHIC FOUNTAIN SOLUTION

Add Selected To Cart Compare Selected

Products Found (100498):
Sort By: Product Name Order: Ascending

1 2 3 4 5 6 7 8 9 10

" Brand New OEM Genuine HP" Q3960A BLACK TONER CARTRIDGE

Category: CARTRIDGE, TONER
Supplier: [Vee Model Management Consulting](#)
Min. Order: \$50.00
Mfr. Part #: Q3960A
Catalog #: Q3960A
Contract #: GS02F0275P [GSA FSS](#)

Description: " Brand New OEM Genuine HP" Q3960A BLACK TONER CARTRIDGE COLOR LASERJET 2550 2820 2840 5K PGS; P/N: Q3960A; Free shipping ; 8(A)/SDB company ;

[View Similar Items](#)

E4 SBA \$81.39 EA 1
CC ADD
Days ARD: 4 days

" Brand New OEM Genuine HP" - Toner cartridge - 1 x magenta - 6000 pages FOR COLOR LASERJET LJ 4500 4550; P/N: C4193A

Category: CARTRIDGE, TONER
Supplier: [Vee Model Management Consulting](#)
Min. Order: \$109.00
Mfr. Part #: C4193A
Catalog #: C4193A
Contract #: SPM7W107DE024 [IDIQ](#)

Description: " Brand New OEM Genuine HP" - Toner cartridge - 1 x magenta - 6000 pages FOR COLOR LASERJET LJ 4500 4550; P/N: C4193A; Free shipping ; 8(A)/SDB company

[View Similar Items](#)

E4 SBA \$141.12 EA 1
CC MIL ADD
Days ARD: 4 days

" Brand New OEM Genuine HP" - Toner cartridge - 2000 pages - yellow FOR LASERJET 2550 2820 2840; P/N: Q3972A

Category: CARTRIDGE, TONER
Supplier: [Vee Model Management Consulting](#)
Min. Order: \$109.00
Mfr. Part #: Q3972A
Catalog #: Q3972A
Contract #: SPM7W107DE024 [IDIQ](#)

Description: " Brand New OEM Genuine HP" - Toner cartridge - 2000 pages - yellow FOR LASERJET 2550 2820 2840; P/N: Q3972A; Free shipping ; 8(A)/SDB company

[View Similar Items](#)

E4 SBA \$76.28 EA 1
CC MIL ADD
Days ARD: 4 days

Done Internet



DLA Logistics Information Services Overview

Logistics Data

- Supports Military Services, Federal and International cataloging, standardization, and data quality
 - Supports provisioning requirements
 - 130 conferences / 290 systems
 - Demilitarization (DEMIL) Coding Mission
- Manages 6.5M National Stock Numbers
- Provides “Emergency Essential” experts in theater



Information Technology

- 24 x 7 System Availability and Monitoring
 - Triage applications with help desk and developers
- DLA Contingency Communications (voice and data)
 - Supports J6 requirements globally
- Protects the infrastructure and system accreditation
- Supports DLIS and Defense Reutilization and Marketing Service (DRMS) in the CONUS

Logistics Systems

- Provides Program Management and Sustainment of 15 key logistics data systems, such as:
 - Federal Logistics Information System, Asset Visibility, DOD EMALL, Item Unique Identification Registry, and DRMS Automated Information System
- Supports DOD supply chain management lifecycle processes for item, vendor, and customer master data
- Asset Visibility
 - 7,590 Users in FY10
 - 2.4M queries in FY09

Customer Support

- DLA Customer Interaction Center
 - 642K Service Tickets in FY09
- U.S. Codification Bureau / International Outreach
 - 28 NATO and 30 “NATO Sponsored” Nations
- Training
 - 576 classes / 6,969 students in FY09
- Products Distributed in FY09
 - 371,497 (i.e. FED LOG)
 - 16,300 Tailored Reports/Data Extracts (accessing 16.2 billion data records)



Environmental Attribute

- Identifies products that have positive environmental characteristics, and signifies that the product meets strict, definable environmental standards and criteria from an approved environmental body



Environmental Attributes

- Eight Environmental Attributes
 - ASBESTOS ALTERNATIVE PRODUCTS
 - EPA Test Method, Appendix E - 40 CFR, 763.163, Subpart E.
 - BIOBASED PRODUCTS
 - <http://www.biopreferred.gov/Catalog.aspx>
 - ENERGY EFFICIENT PRODUCTS
 - <http://www.energystar.gov/>
 - ELECTRONIC PRODUCT ENVIRONMENTAL ASSESSMENT TOOL PRODUCTS (EPEAT)
 - <http://www.epeat.net/Search.aspx>
 - NON-CADMIUM CONTAINING PRODUCTS
 - NON-MERCURY CONTAINING PRODUCTS
 - RECYCLED CONTENT PRODUCTS
 - <http://www.epa.gov/epawaste/consERVE/tools/cpg/products/index.htm>.
 - LOW VOLATILE ORGANIC COMPOUND PRODUCTS
 - California Air Resources Board (CARB)



Environmental Attribute Code

- The Environmental Attribute Code (ENAC) is a two digit code that is used to provide a means of identifying items of supply that have environmentally preferred characteristics



ENAC Examples

- **BIOBASED PRODUCTS**

–DEFINITION: As defined by Farm Security and Rural Investment Act of 2002, "biobased products" are products determined by the U.S. Secretary of Agriculture to be commercial or industrial goods (other than food or feed) composed in whole or in significant part of biological products, forestry materials, or renewable domestic agricultural materials, including plant, animal, or marine materials. Biopreferred catalog:

<http://www.biopreferred.gov/Catalog.aspx>

- | •ENAC | Name |
|-------|------------------------------|
| •AT | 2-Cycle Engine Oils |
| •AV | Adhesive and Mastic Removers |



ENAC Examples (cont.)

- **ENERGY EFFICIENT PRODUCTS**

–DEFINITION: Product meets or exceeds the Department of Energy’s (DOE) Energy-Efficient Products Standards – Federal Energy Management Program (FEMP), or Energy Star label listed. FEMP:

<http://www1.eere.energy.gov/femp/procurement/> and Energy Star: <http://www.energystar.gov/>

FEMP-Lighting

- HL Compact Fluorescent Lamps
- GE Fluorescent Tube Lamps

FEMP-Office Equipment

- FW Computers
- FX Monitors



ENAC Cataloging Process

- Cataloging request from DLA product specialist
- DLIS cataloger validates request and takes cataloging action
 - Uses FIIG and answers ENAC MRC
 - ENAC assigned to NSN



Green Item Counts

- As of 1 April 2010 there are.....
 - 8076 National Stock Numbers with ENAC in the Federal Catalog
 - 494487 products listed in DODEMALL with an ENAC
 - Eight environmental attributes
 - 256 ENAC codes



Summary

- DLA/DLIS responsible for DoD cataloging policy
- DLIS provides green cataloging services
- Cataloging requests come from the DLA product specialists
- There are eight environmental attributes
 - Listed in the FIIGs
 - 256 ENAC codes



Aviation

AVIATION:

INITIATIVES

LEAN / Six Sigma

Depot Level Repairables

Supply, Storage & Distrib.

Customer Targeted Outcomes

Gases / Cylinders Privatization

Chemicals / POL Privatization

Forward Presence

One Pass Pricing

- **Engine Components**
- **Air Frames**
- **Flight Safety Equipment**
- **Aviation Lighting**
- **Fasteners**
- **Bearings**
- **Maps**
- **Environmental Products**





Re-refined Lubricating Oil

- **Basic Re-refined Oil Program**

- API certified oil in your choice of 5W-30, 10W-30, 15W-40, 30 & 40
- No minimum orders.
- Packaged in Quarts, 5 Gallon Containers, and 55 Gallon Drums.
- World-wide delivery from Vendor to Customers

- **Closed Loop Re-refined Oil Program**

- API certified oil in your choice of 30, 40, 10W-30 and 15W-40
- Small minimum orders.
- Includes pick up of your used oil for re-refining.
- CONUS delivery of packaged and bulk products
- Available in Quarts, 5 gallon containers, 55 gallon drums, bulk deliveries



Reclaimed Engine Coolant (aka Recycled Antifreeze)

- Conforms with EPA guidelines
- May be purer since recycling process reduces chlorines from hard water
- Commercial Item DLA Energyription that replaces 3 Mil Specs, specs same for virgin, recycled
- Army – use recycled only, DLA to do automatic substitution
- Other Military Services -- similar directions
- POC for product: 804-279-3995, DSN695
- POC for antifreeze recycling equipment:
804-279-3686, DSN695



DLA Supply Chain Sustainability/HAZMIN Projects

DLA Aviation

- MIL-PRF-85570, Type II Aircraft Cleaner
- MIL-PRF-85570, Type I Aerosol Foam and Pre-moistened Wipes Aircraft Cleaner
- Chrome Free Pretreatment Applicator Pen (MIL-DTL-81706 Type II)
- Electrical Contact Cleaner (MIL-PRF-29608 Class L CPC)
- Cold Spray/Kinetic Metallization Development for Military Aerospace Application



DLA Supply Chain Sustainability/HAZMIN Projects

DLA Aviation (cont'd)

- Micro-Fiber Cloths for Non-Chemical Cleaning of Canopies and Optics
- Environmentally Compliant Chemical Paint Strippers
- COTS Environmentally Compliant Non-Structural Adhesives
- Non-Aqueous Low-VOC and HAP-Free Cleaner (MIL-PRF-32295 Type II) and Field Test
- Bio-Based Hydraulic Lubricants
- Aircraft Waterless Cleaners
- USAF Coating Removal



DLA Supply Chain Sustainability/HAZMIN Projects

DLA Aviation (cont'd)

- Green Product Demonstration and Hazardous Minimization Initiatives for DoD



Disposition Services

- Reutilization (to Military Services & DOD Special Programs)
- Transfer (to Federal Agencies)
- Donation (to State and Local Agencies)
- Sales of excess DoD property
- Contingency Operation Support
- Demilitarization
- Precious Metals Recovery
- Hazardous Waste Disposal



**119 Sites
Worldwide**



DLA Disposition Services

Reuse and Recycling Programs – providing maximum reutilization of DOD excess property

- **Scrap Recycling** - providing a recycling service with reimbursement going back to DOD Qualified Recycling Programs
- **Donation in Lieu of Disposal** - diverting property from landfill with no cost or reimbursement to Government (other than occasional shipping costs). Examples: low value recyclables such as - tires, wood, furniture, and hazardous materials
- **Electronics Recycling** - Computers for Learning Program, MOA with Federal Prison Industries (FPI) Unicor, Demanufacturing contracts
- **Precious Metals Recovery** - refining of precious metals bearing material/scrap to conserve resources; no reimbursement to generator
- **Hazardous Materials Reuse** - Maximizing lifecycles, minimizing the environmental risks and the costs associated with disposal
- **Hazardous Waste** - safe and compliant disposal management, tailored and cost efficient contracts with DLA assumed liability for 3rd party contamination sites

POC: DLA Customer Interaction Center 1-877-352-2253, options 3-2-1



DLA Disposition Services

Electronics Demanufacturing



- Increased recycling and solid waste diversion
- Protection of the environment/controlled disposal of:
 - Batteries of all types in electronics
 - Mercury switches
 - Heavy Metal content
 - Keeping leaded glass from PC monitors and TVs out of landfills
- National Security:
 - Ensures property with military capability not released into commerce
 - Destruction of secure information



Troop Support

SUBSISTENCE: CLASS I

- Food Service
- Produce
- Operational Rations



CLOTHING & TEXTILE: CLASS II

- Recruit Clothing
- Readiness
- Organizational Clothing & Individual Equipment



CONSTRUCTION & EQUIPMENT: CLASS IV / VII

- Facilities Maintenance
- Equipment
- Wood Products
- Safety & Rescue Equipment



INITIATIVES

- Prime Vendor Programs
- Medical Air Bridge (MAB)
- Common Food Management System (CFMS)
- Recruit Training Center Support
- Army Direct Ordering (ADO)
- Enterprise Buyers Forward
- Lumber Privatization

MEDICAL: CLASS VIII

- Pharmaceutical
- Medical/Surgical
- Readiness
- Equipment





Construction & Equipment GREEN PROCUREMENT Product List

Energy Efficient Lighting

- Compact Fluorescent Lamps (CFLs)
- Electronic Ballast
- LED Lighting

Energy Efficient HVAC

- Roof Top AC units
- Energy Saving Hot Water Heaters

Energy Saving Plumbing

- Water Conserving Fixtures

Environmentally Safe Building Materials

- Wallboards, Lumber
- Insulation

Building a Greener Tomorrow...Today

For further information please call our toll free number 1-800-352-2852



Biobased Plastic Flatware

- Biobased resin uses wheat to replace 50% of Polypropylene
- Meets or exceeds all current performance standards (impact strength, heat distortion, flexibility, biodegradability)
- Replacement into Unitized Group Ration A and Heat & Serve programs, then into daily dining facilities on military bases, hospitals, etc.



As shown above, the flatware is packaged with napkin, sugar, salt and pepper in a clear plastic bag.



DLA Supply Chain Sustainability/HAZMIN Projects

DLA Troop Support

Clothing and Textiles

- Biodegradable parachute for sonobuoy for Navy

Construction and Equipment

- Energy efficient lighting
- Energy efficient HVAC
- Energy saving plumbing
- Asbestos elimination (gaskets and seals)



DLA Supply Chain Sustainability/HAZMIN Projects

DLA Troop Support (Cont'd)

Subsistence

- Working project with contractor on conversion from 50/50 to 100% bio-based cutlery
- Working project with contractor on conversion of MRE spoon and UGR utensils from plastic to 100% biobased
- Arctic Meal Module clamshell conversion from polystyrene to biobased/biodegradable item.



DLA Supply Chain Sustainability/HAZMIN Projects

DLA Troop Support (Cont'd)

Subsistence (Cont'd)

- Implementation of "Frank's Green Tips"- a monthly paragraph that talks about a specific subsistence "green" initiative and how it may relate to an employee can be "green" in a similar manner in their personal life
- Installation of recycle containers in café at NAVICP



DLA Supply Chain Sustainability/HAZMIN Projects

DLA Troop Support (Cont'd)

Medical

- Pharmaceutical Prime Vendor Reverse Distribution Program.
 - \$5 Million credit to customers annually
 - Proper disposal of expired drugs by the manufacturer through a co-generation incinerator. Items no longer disposed in wastewater or landfills.
- DIN-PACS (Digital Imaging Network Picture Archiving and Communications Systems). Eliminates need for:
 - X-ray film, processing machine, fixer, developer, wash water and recovery of silver.
- Patient care items such as wash basins, urinals, and emesis basins manufactured from 100% recycled newsprint with a wax coating.
 - Eliminates use and disposal of plastic items.



DLA Supply Chain Sustainability/HAZMIN Projects

Medical (continued)

- Monthly Green Tips are distributed to all Medical employees emphasizing energy, water, and paper conservation.
- Trade in and proper disposal of old x-ray systems, x-ray tubes, circuit boards, etc.
- Encourage attendance and monitor course completions for the two day Buying Green course.
- Medical Buy Green external website:
<https://phl1s331.dscp.dla.mil/portal/GeneralMedical/GoGreen.aspx>



Land and Maritime

INITIATIVES

Tires Privatization Successor

MRAP/M-ATV Sustainment

Afghan Sustainment

Depot Level Repairables

Retail Supply, Storage & Distribution

Demand Planning Improvement Initiatives

Army Reset Support

LAND:

- Wheeled, Tracked & Heavy Vehicle Parts
- Vehicle Maintenance Kits
- Power Transmission/Engine/Suspension Components
- Tires
- Batteries
- Small Arms Parts



MARITIME:

- Valves
- Fluid Handling
- Electrical/Electronics
- Motors
- Packing/Gaskets





DLA Supply Chain Sustainability/HAZMIN Projects

DLA Land and Maritime

- Non- Cadmium Plated Connectors
- Asbestos elimination (brake linings)



Energy

ENERGY:

INITIATIVES

CENTCOM AOR Support

Open Market Bunker Support

Bulk Terminal Ops Privatization

Garrison / Base Energy Support

Utilities Privatization Support

Alternative Fuel and

Renewable Energy

- **DOD Executive Agent for all Bulk Petroleum**
- **Natural Gas, Coal, Electricity**
- **Aerospace Energy**





DLA Supply Chain Sustainability/HAZMIN Projects

DLA-Energy

- Bio-diesel fuels (derived from vegetable oils)
- Ethanol and gasoline blend (85% ethanol)
- Hydro-treated renewable jet (plant and algal oils and animal fats)
- Hydro-treated renewable marine diesel (plant oils)
- Multiple feedstock bio-waste to energy project (municipal waste, yard clippings, wood)
- Hawaii GIFTPAC program to replace 25% of DoD procured petroleum derived fuel with biofuels
- Partnering with ATA, USDA, and DOE to examine potential areas for biofuels deployment in Pacific Northwest



Distribution

- Receive, Store, and Issue Globally
- In-transit Visibility
- Dedicated Delivery / Pure Pallets



**26
Distribution
Centers
Worldwide**





Questions?

Operational and Warfighter Issues:

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WARFIGHTER-FOCUSED, GLOBALLY RESPONSIVE, FISCALLY RESPONSIBLE SUPPLY CHAIN LEADERSHIP

DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY



WARFIGHTER SUPPORT ENHANCEMENT

STEWARDSHIP EXCELLENCE

WORKFORCE DEVELOPMENT