

DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY

Defense Logistics Agency Green Products/ Hazardous Minimization Warfighter Team

**Helping the Warfighter Become
Green!**

James L. Reed

Report Documentation Page

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DLA's Mission

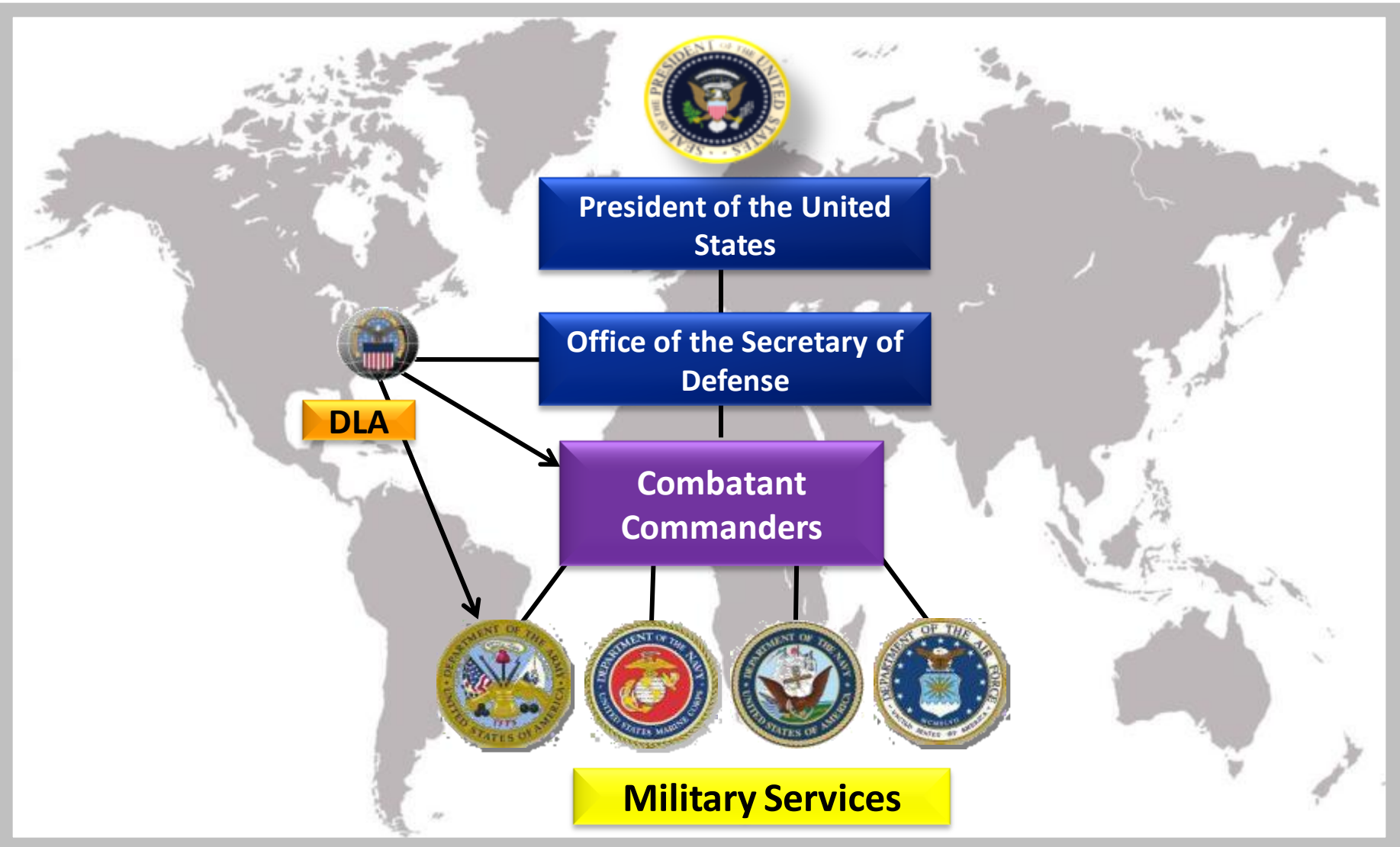
“Supporting the Warfighter”

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





DLA's Scope of Support





Scope of DLA Customer Support



- **A \$36.8 Billion global enterprise**
- **Supports over 1,500 weapon systems**
- **Provides 95 percent of all Military Services' repair parts**
- **Manages 3.8 Million national stock numbers (8 Supply Chains)**
- **Foreign Military Sales**
 - **Projected Sales Fiscal Year 2009: \$1.53 Billion**
 - **Shipments: 570,000 per year**
 - **Supporting 115 Nations**
- **Provides 100 percent of:**
 - **Fuels**
 - **Food**
 - **Clothing and Medical Supplies**
 - **Construction Material**
- **Worldwide Presence:**
 - **More than 25,000 civilian, active duty, and reserve employees**
 - **28 countries and 48 states (except Vermont and Iowa)**



DLA GREEN PRODUCTS/ HAZARDOUS MINIMIZATION WARFIGHTER TEAM



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



Global Supply Chains

- **CLI: Subsistence (DSCP)**
 - Food Service
 - Produce
 - Operational Rations
- **CLII: Clothing & Textile (DSCP)**
 - Recruit Clothing
 - Organizational Clothing & Individual Equipment
- **CLIII: Fuel/Energy (DESC)**
 - DoD Executive Agent for all Bulk Petroleum
 - Natural Gas, Coal, Electricity
 - Aerospace Energy
- **CLIV/VII: Construction & Equipment (DSCP)**
 - Facilities Maintenance
 - Equipment
 - Wood Products
 - Safety & Rescue Equipment
- **CLVIII: Medical (DSCP)**
 - Pharmaceutical
 - Medical/Surgical Equipment
- **CLIX: Aviation (DSCR)**
 - Engine Components
 - Air Frames
 - Flight Safety Equipment
 - Maps
 - Environmental Products
- **CLIX: Maritime (DSCC)**
 - Parts for Ships, Submarines
- **CLIX: Land (DSCC)**
 - Vehicles, USMC – Army Equipment



KEY:

DSCP-Defense Supply Center Philadelphia; DSCR – DSC Richmond; DSCC – DSC Columbus; DESC – Defense Energy Support Center



DLA Offers Services that are Environmentally-oriented

- Energy support
- “Buying Green” course
- Green shopping on DOD EMALL
- Hazardous Material Information Resource System
- Hazardous Technical Information Service
- DRMS – including electronics remanufacturing
- Ozone Depleting Substances Reserve



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



Green Product Highlights

- Re-refined Lubricating Oil
- Reclaimed Engine Coolant
- Remanufactured Toner Cartridges
- Vehicular Wet Battery Program
- Energy Efficient Lighting
- Biobased Fuels
- Biobased Cutlery



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 JWOOD 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



DLA's Environmental Attribute Initiative

- Environmental Attribute Codes (ENAC) for NSN items in the Federal Logistics Information System, also known as the Federal Catalog System
- Signifies that a product meets strict, definable environmental standards and criteria from an approved certifying organization
- Currently applied to roughly 8000 items managed by DLA and GSA



Environmental Attributes, continued

- DLA formed and chairs a **Joint Group on Environmental Attributes (JGEnvAtt)** to seek out and evaluate clearly definable environmental product criteria or 'attributes' from recognized environmental organizations
- JGEnvAtt process: Identify, evaluate and through a consensus building process, approve Environmental Attributes or criteria to be applied to products in the FCS.
- *Voting Members:* Army, Air Force, DLA, Navy, Marine Corps, GSA
- *Advisors:* OSD, EPA, USDA, DOE, OFEE



Environmental Attributes approved by the JGEnvAtt

- **Recycled Content**
- **Energy Efficient**
- **Water Conserving**
- **Low VOC Content**
- **Low Standby Power**
- **Asbestos Alternative**
- **Biobased**
- **Non-mercury
Alternative**
- **Electronic Products
Environmental
Assessment Tool
(EPEAT)**
- **Non-cadmium
Alternative**



Primary Level Field Activities

Defense Supply Center Richmond

INITIATIVES

LEAN/ Six Sigma

Depot Level Repairables

Supply, Storage & Distrib.

Customer Targeted Outcomes

Gases / Cylinders Privatization

Chemicals / POL Privatization

Forward Presence

One Pass Pricing

AVIATION:

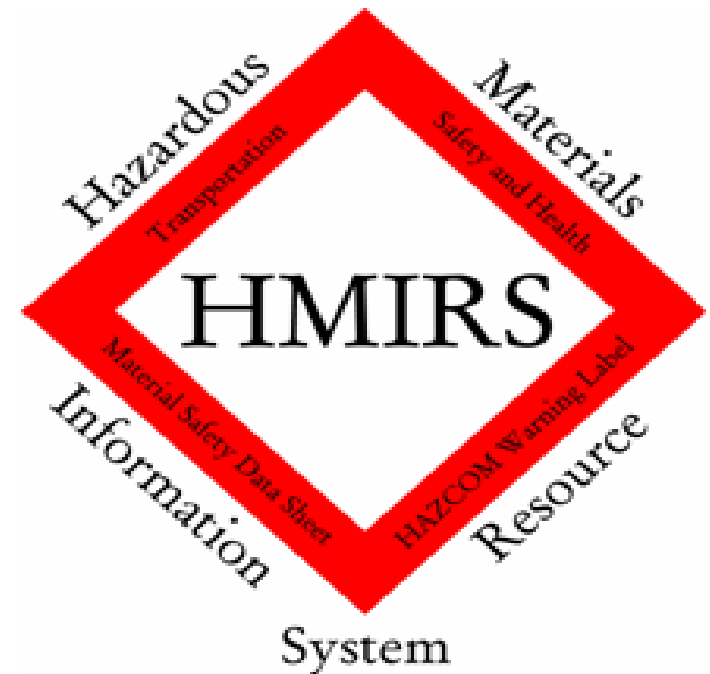
- Engine Components
 - Air Frames
- Flight Safety Equipment
 - Aviation Lighting
 - Fasteners
 - Bearings
 - Maps
- Environmental Products





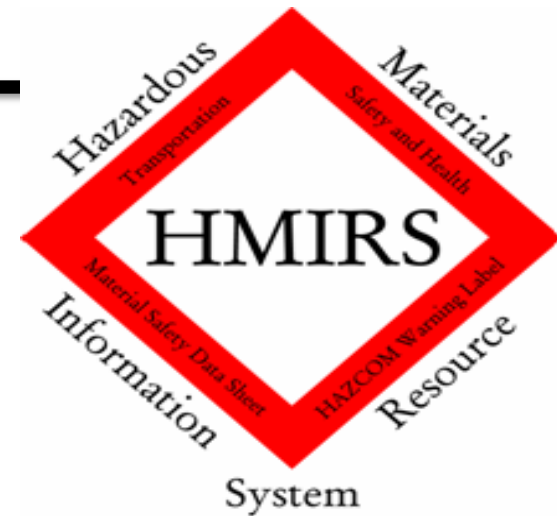
Hazardous Material Information Resource System (HMIRS)

- DoD central repository for Material Safety Data Sheets (MSDS); including foreign language MSDS
- Assists Federal Government personnel who handle, store, transport, use, or dispose of hazardous materials – EPA, OSHA, DOT
- Includes value-added info by Service-agency focal points: HAZCOM warning label & transportation info





Hazardous Material Information Resource System (HMIRS)



- Available on the web, in CD/DVD sets or as direct system-to-system interface (e.g., Federal Catalog System for supply items)
- Over 400,000 MSDSs and 4,800 users.
- Hazard Communication warning labels are based on the OSHA standard
- HMIRS CDs containing nonproprietary MSDS data have been updated to look and feel like the web.



HMIRS Contact info




- **Program Manager:** Defense Logistics Information Service (DLIS), DSN 661-4996. Focal point for Help Desk support: Customer Service Office, DSN 661-4725 or commercial 1-888-DLA-CALL (352-2255)
- **Functional Manager:** Defense Supply Center Richmond (DSCR), DSN 695-3518. Provides Hazardous Information Help Desk support: 1-800-848-4371
- <http://www.dlis.dla.mil/hmirs/>
- also email: HMIRS@dliis.dla.mil



Hazardous Technical Information Services (HTIS)

An advice service for managing hazardous materials or wastes:

-  **Environmental**
-  **Safety & Health**
-  **Transportation**
-  **Packaging**
-  **Logistics**

Staffed with chemists, chemical engineers, industrial hygienists, environmental specialists

Bulletin

-  **Bimonthly, with over 8,000 Recipients**

Regulatory Alerts – weekly

Help Line: 800-848-HTIS

HTIS 
Hazardous Technical Information Services



The DoD Ozone Depleting Substances Reserve at DSCR

Only Source for Weapon Systems Support

Halons 1211 and 1301

Refrigerants R-11, R-12

R-114, R-500, and R-502



War Stoppers



ODS Reserve Program Guidance

- Halon and Refrigerant Recycling Program Supporting Major Weapons Systems
- Details and Guidance Provided on Web Site – <http://www.dscr.dla.mil/ExternalWeb/UserWeb/AviationEngineering/OZONE/index.htm>
- Turn-ins Mandatory – Local Disposal or Sale Prohibited
- Outside of U.S. -- Individual Country Laws and Regulations Continue to Evolve

Contacts: Phone: 804-279-5203 / 5202, DSN695;
OR email: odsreserve@dscr.dla.mil



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

POC: 804-279-4257, DSN 695

<http://www.dscr.dla.mil/userweb/dscrld/Re-refined/RR.htm>

Defense Supply Center Richmond



Reclaimed Engine Coolant (aka Recycled Antifreeze)

- Conforms with EPA guidelines
- May be purer since recycling process reduces chlorines from hard water
- Commercial Item Description 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

Defense Supply Center Richmond

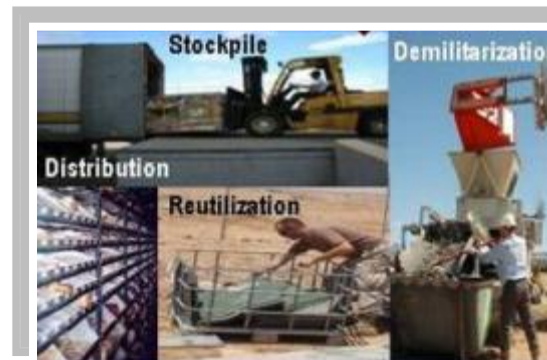


Distribution & Retrograde Capabilities

- **Defense Distribution Center**
 - Receive, Store, and Issue
 - Deployable Distribution Center
 - Distribution Standard System
 - Defense Transportation Coordinator Initiative
 - Customized Kitting
 - In-transit Visibility
 - Dedicated Delivery / Pure Pallets
- **Defense Reutilization & Marketing Service**
 - Reutilization, Transfer, Donation, Demilitarization, Precious Metals Recovery
 - Reverse Logistics
 - Redeployment Retrograde Management
 - Environmental Disposal
 - Foreign Military Sales
 - Mobile Demilitarization / Shredding



25
Distribution
Centers
Worldwide



124 Sites
Worldwide



Defense Reutilization & Marketing Service (DRMS)

<http://www.drms.dla.mil/>

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



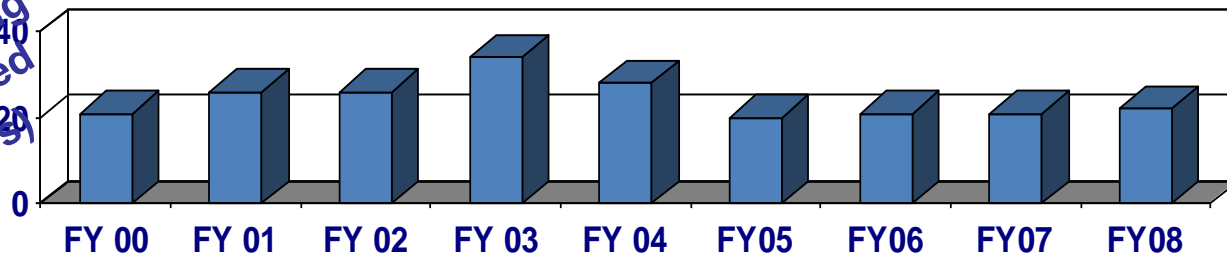
Defense Reutilization & Marketing Service (DRMS)

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

*Demanufacturing
& FPI Recycled
(million lbs)*





Primary Level Field Activities

Defense Supply Center Philadelphia

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

Defense Supply Center Philadelphia



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.

Defense Supply Center Philadelphia



Safe Disposal of Pharmaceuticals

- In addition to supplying medical equipment and pharmaceuticals, DSCP also provides DLA customers with an environmentally responsible and safe way to dispose of pharmaceuticals.
- Instead of throwing away, expired pharmaceuticals, our customers are disposing of them in a more environmentally sound way.
- They also get credit back to spend on new pharmaceuticals.



Primary Level Field Activities Defense Supply Center Columbus

INITIATIVES

Tires Privatization

Forward Sustainment

Enterprise Buyers Forward

Joint Regional Inventory Matl. Mgmt.

Supply, Storage & Distrib.

Depot Level Repairables

Army Reset Support

MRAP Sustainment

LAND:

- Vehicles
- USMC / Army Equipment



MARITIME:

- Parts for Ships
- Parts for Submarines





DSCC Asbestos Elimination

- **Asbestos Program Progress**

- Database contains 13171 National Stock Numbers (NSNs)
- Majority of NSNs in FSC 5330

- **Breakdown**

- FSC 5319: 156 NSNs
 - 36- Have replacements
 - 101- Cancelled without replacements
 - 7-Not DLA managed
 - 12- Requiring review
- FSC 5330: 12632 NSNs:
 - 5023: - Have replacements
 - 4363: -Cancelled without replacement
 - 3246:- Requiring review
- FSC 5340: - 368 NSNs
 - 178- Have replacements
 - 92-Cancelled without replacement
 - 25- Not DLA managed
 - 73 Requiring review
- FSC 5325: 1 NSN-Has replacement
- FSC 5356: 13 NSNs
 - 5- Have replacements
 - 3- Cancelled without replacement
 - 5-Not DLA managed



DSCC Cadmium Plating In Electrical Connector Specification

- **Issue**
 - Cadmium identified as a hazardous material and targeted for reduction/elimination with the RoHS.
 - DSCC working with military services, manufacturers and equipment contractors to find effective alternative.
 - Several alternatives undergoing testing.
 - To date, alternate finishes in existing specifications perform at the same level as Cadmium in corrosive (salt spray)
 - Specification changes
- **Identified Alternatives:**
 - Zinc Nickel
 - Teflon Nickel
 - Pure Electrodeposited Aluminum
 - Zinc Cobalt
- **The Plan**
 - DSCC is not proposing the total elimination of Cadmium at this time although it is a long term goal.
 - Existing applications still require Cadmium plating and military applications do have a waiver to use Cadmium.



Primary Level Field Activities

Defense Energy Support Center

INITIATIVES

CENTCOM AOR Support
Open Market Bunker Support
Bulk Terminal Ops Privatization
Garrison / Base Energy Support
Utilities Privatization Support
Alternative Fuel and
Renewable Energy

ENERGY:

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





Bio-based Fuels (aka Biofuels)

- Biodiesel, mono-alkyl esters of long chain fatty acids derived from vegetable oils or animal fats IAW ASTM D 6751, for use in diesel engines. **Most Popular: B20**, a blend: 20% biodiesel & 80% ultra-low sulfur diesel fuel
- **E85**, a blend of 85% ethanol and 15% gasoline
- Initially driven by the **Energy Policy Act (EPACT) of 1992** and **EO 13149: Greening the Government Through Federal Fleet and Transportation Efficiency**
- Biofuel use reduces regulated exhaust emissions, decreases petroleum imports
- DESC worked to establish quality requirements for B20 so fuel works comparable to diesel; recognized with White House award

POC: D427-8359; D427-8354 (Comm 703-767)

Defense Energy Support Center



Bio-based Fuels (aka Biofuels)



The Navy celebrated Earth Day April 22, 2010 by showcasing a supersonic flight test of the "Green Hornet," an F/A-18 Super Hornet strike fighter jet powered by a 50/50 biofuel blend supplied by DESC at Naval Air Station Patuxent River, Md.



Bio-based Fuels (aka Biofuels)



The Air Force tested an A-10C Thunderbolt II at Eglin Air Force Base, Florida, fueled with a 50-percent mixture of a fuel refined from the crushed seeds of the flowering *Camelina sativa* plant supplied by DESC in March 2010.



Current DLA Warfighter Green Products/HAZMIN Team Projects

- **MIL-PRF-85570 Type II Aircraft Cleaner – DSCR**
- **MIL-PRF-85570 Type I Aerosol form and Pre-moistened Wipes Aircraft Cleaner – DSCR**
- **Micro-fiber Cloths for Non-Chemical Cleaning of Canopies & Optics - DSCR**
- **Environmentally Compliant Chemical Paint Strippers - DSCR**
- **Chrome Free Pretreatment Applicator Pen (MIL-DTL-81706 Type II) - DSCR**
- **Electrical Contact Cleaner (MIL-PRF-29608 Class L CPC) - DSCR**
- **Cold Spray/Kinetic Metallization Development for Military Aerospace Application - DSCR**
- **COTS Environmentally Compliant Non-Structural Adhesives - DSCR**
- **Non-Aqueous Low-VOC and HAP-Free Cleaner MIL-PRF-32295 Type II - DSCR**
- **Bio-based Hydraulic Lubricants – DSCR**
- **Closed-Loop Recycled Antifreeze Service Program - DSCR**



Current DLA Warfighter Green Products/HAZMIN Team Projects

- **Non- Cadmium Plated Connectors –DSCC**
- **UGR heater tray, plates, cups, clamshells – DSCP**
- **Health and Comfort Pack combs, razors, toothbrushes – DSCP**
- **Energy Efficient Lighting - DSCP**
- **Energy Efficient HVAC - DSCP**
- **Energy Saving Plumbing - DSCP**
- **Environmentally Safe Building Materials – DSCP**
- **Safe Disposal of Pharmaceuticals - DSCP**
- **Bio-based Fuels - DESC**



Questions?

Operational and Warfighter Issues:

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DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY

