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# DEFENSE LOGISTICS AGENCY

*Established 1961*



## Aerospace Energy WWEC Inventory Management Brief

AE Inventory Management Team  
April 21, 2026



THE NATION'S LOGISTICS COMBAT SUPPORT AGENCY

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PEOPLE ★ PRECISION ★ POSTURE ★ PARTNERSHIPS

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# Aerospace Energy WWEC Inventory Management Brief

## Purpose:

Presentation from Aerospace Energy Inventory Management (IM) on Aerospace Energy Support Points (AESPs)

## Agenda:

### Discussions:

- Overview of Aerospace Energy IM
- Aerospace Energy Support Points (AESPs) Presentations
- Product Accountability
- Question and Answer Session



Information



Guidance



Decision



Other



- Introductions
- AE IM Overview
- SP Requirements Generation
- AESP Breakdown
  - JP10/RP-1/RP-2 & PF-1
  - Hypergols & N204
  - VSFB and Aerojet
  - KSC Update
- AE Hypergols Cylinder/Container Equipment
- Resolution Specialist Role
- Artificial Intelligence (AI)

# Aerospace Energy Inventory Management



**McCoy Greer III**  
Supervisor, Inventory Management  
Accountable Officer (AO)

## Aerospace Energy Branch III - FEMC

### Inventory Managers (IM)

**James Gilbert, – IM (HPH & MMH) and (N204) & Hypergols POC**

**Steven Friend, IM VSFB and Aerojet**

**Bryant Daniels, IM (JP10 & RP)**

**Ken Thomas IM KSC**

### Resolutions Specialists (RS)

**Team Lead Kenneth Escobar, RS**

**Ana Fleming, RS**

# Inventory Management (IM)



## Supply Planner (SP)

- Oversee the inventory of Hypergols and Propellants at the Aerospace Energy Support Point (AESP).
- Ensure product levels remain within established Maximum and Control Limits to meet customer demand.
- Serve as the primary point of contact (POC) for both Aerospace Energy (AE) and AESP operations.
- Create AE Long Term Contract (LTC) Purchase Requests (PRs) to support customer direct and into-stock requirement processes.

## Resolution Specialist (RS)

- Ensures accurate accountability of Defense Logistics Agency (DLA)-owned products at AESPs.
- Acts as the liaison with AESP Inventory Transaction Processors.
- Oversees all documentation related to the receipt, inventory management, shipment, transfer, and sales or credit transactions of Hypergols and Propellant inventory.

# Aerospace Energy IM Overview



- 6 AESPs storing DLA owned products
  - 2 Government Owned Contractor Operated (GOCO)
  - 4 Contractor Owned Contractor Operated (COCO)
- 20 Into Stock Products Lines
- \$60 Million Product value
- \$21 Million FY25 Sales
- \$120 Million LTC Contract value capacity
- \$9M equipment value (Cylinders and trailers)
- \$2M Service and Maintenance of AESPs and equipment
- \$350K Transportation to and between AESPs

# Aerospace Energy IM Overview

## Requirements Generation



### Customer Direct

- CAS/Customer submits required data
- Review data and update systems with current data
- Generate purchase requests
- Review PRs and route through Quality for review
- Coordinate KO requirement assignment for RFP
- Attend Strategy Meeting prior to Pre-Award

### Into Stock/DLA Owned Products

- Review initial or historical data via 2916
- Coordinate w/KO to generate purchase request
- Product and Services
- Review RFP prior to pre-award
- Monitor sales for restock

The screenshot shows the SAP Business Location Address form for the (433rd) Fuels Service Center. The form is titled "Change Business Location: Address" and includes the following fields and values:

Field	Value
LocationID	CDS433LACK (433rd) Fuels Service Center
Loc. type	CDD Customer Direct Delivery Location
Postl.code	78236
Brand	USAF
Name	(433rd) Fuels Service Center
Search term 1/2	FP8036 CDS433LACK
Street/House Number	101 Hanger Way
Postal Code/City	78236 Lackland AFB
Country/Reg.	US USA Region TX Texas
Time Zone	CST
Telephone	210 925-4936
Mobile Phone	
Fax	
E-Mail	john.sosa.1@us.af.mil
Area Assgn	AMETX Americas Region, EAST - Texas
Cntry/Regn	US USA



# Aerospace Energy IM Overview Requirements Generation

- AE Tools for verifying requirement information
  - DLA Form 2053
  - Enriched Forecast
  - Integrated Business Process (IBP)
  - Business Objects (BO)
  - QLIK
  - Master Data EBS S4/Traders Schedulers Workbench (TSW)
  - Associated Service Requirements



# JP10, RP1/2 and PF1

- AESP
- Type COCO (Production)
- Receipt: Internal Transfer of Products
- Bulk Storage
  - JP10
  - RP1/2
  - PF1 Mode of Transport/Delivery to Customer
    - Tank Trucks
    - Drums
- Purpose:
  - Direct support to CONUS/OCONUS



# Propellant Product Distribution Process Texas

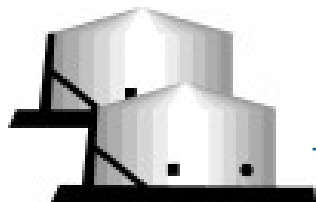


## Hydrocarbons

### JP-10- High Density Synthetic Rocket Propellant (RP) 1 & 2



Bulk



Sales to end users

Origin Location

DLA Storage

DLA Transportation

## PF-1- Priming Fluid

Drums



Sales to end users

PF1 / JP-10

DLA Storage

DLA Transportation – Trailer



# High Purity Hydrazine, Monomethyl Hydrazine and Dinitrogen-Tetroxide

- Two Vendor Location AESPs
- Type COCO (Production)
- Bulk Storage capacity per Product
  - HPH & MMH
  - N2O4
  - H70
- Mode of Transportation Receipt and Issue
  - Trailers
  - Cylinders
- Purpose:
  - Provide product replenishment to AESPs



# Hypergols & Oxidizers Distribution Process



## Oxidizers



Origin Location

## N2O4 (Dinitrogen Tetroxide) MON



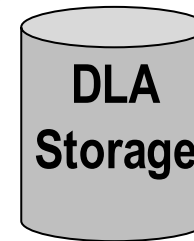
Packaged into Cylinders



DLA Transportation – Truck/Tanker



Transfers/  
Sales



## Hypergols



Origin Location

## HPH - Hydrazine Purity High



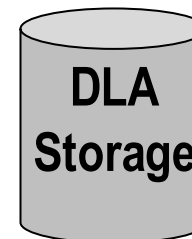
Packaged into Cylinders



DLA Transportation – Truck/Tanker



Transfers/  
Sales



# Vandenberg Space Force Base, CA



- Western Range AESP
- Type GOCO
- Bulk Storage Capacity
  - HPH & MMH
  - N204
  - H70
  - GN2 Pipeline
  - Helium
- Mode of Transportation Receipt and Issue
  - Trailers
  - Cylinders
- Purpose:
  - Support Space Launch





- AESP
- Type COCO
- Bulk Storage
  - HPH
  - MMH
  - N204
- Mode of Transportation Receipt and Issue
  - Cylinders
- Purpose:
  - Support Space Launch

# Kennedy Space Center (KSC), FL



- Eastern Range AESP
- Type GOCO
- Bulk Storage
  - HPH & MMH
  - N2O4
- Mode of Transportation Receipt and Issue
  - Trailers
  - Cylinders
- Purpose:
  - Support Space Launch





# Aerospace Energy Hypergols Cylinders/Containers

- Trailers - Hydrazine 18,000 lbs./ Oxidizer 24,000 lbs.
- Cylinders – Multiple sizes from 5 gal to 700 gal.
- Majority of cylinders are 55-gal and 120-gal size.
- A 55-gal cyl holds 360-600 lbs. of product.
- A 120-gal cyl holds 910-1300 lbs. of product.





## MANAGING AEROSPACE PRODUCTS FOR MISSION SUCCESS AND FISCAL INTEGRITY

- Ensuring Product Integrity
- The Product Supply Chain
- Achieving Total Product Accountability
- Case Study in Product Governance
- The Sustainment Partnership





## INVESTIGATION AND RESOLUTION

- Forensic analysis of product discrepancies (wrong product, incorrect, configuration)
- Verifying product identity and on specification
- Identifying the root cause of product data conflicts to prevent future mission impact





## COLLABORATION

- Managing the flow of products from suppliers
- Constant communication with Aerospace Energy Support Points (AESP)
- Resolving hurdles to ensure timely and accurate reporting



# Achieving Total Product Accountability



## ACHIEVING AUDIT READINESS

- Every product is tracked and accounted for from procurement to disposal
- Building transparent, defensible audit trail for millions of dollars in assets
- Proactively identifying and mitigating compliance risks in product management process

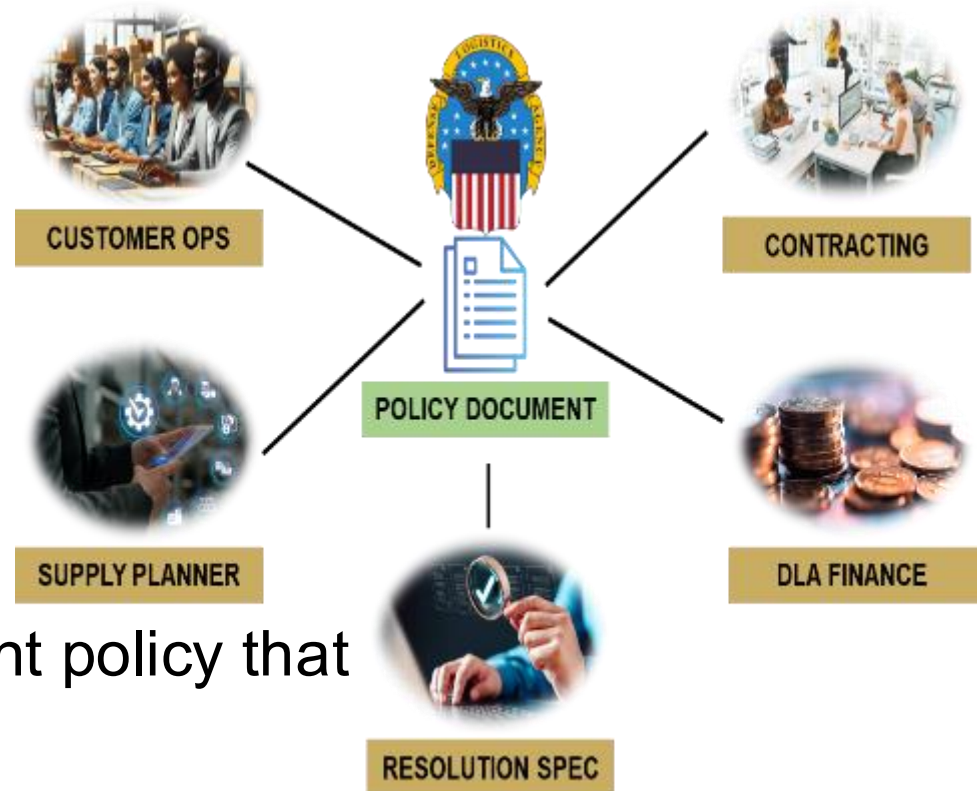


# Case Study in Product Governance



## AEROSPACE DOCUMENT POLICY UPDATE

- **The Goal:**  
Modernize a foundational policy to meet current audit standards
- **The Collaboration:**  
Cross-functional teams
- **The Outcome:** A robust, compliant policy that secures process and mitigate risk





## PROVING PRODUCT VALUE

- Providing the Audit Sustainment Team with validated data
- Translating operational realities into defensible financial reporting
- Continuous feedback to improve how products are tracked and valued





# Leveraging Data Analytics in AI

## Current Challenges

- Dependence on legacy systems, limited forecasting capabilities, and manual data analysis slowing operational efficiency.

## Strategic Direction

- Transition from legacy systems and exploring modern AI-driven systems
  - Improve forecasting
  - Improve Inventory accountability



# Leveraging Data Analytics in AI

## Opportunities

### Data Analytics and AI Driven:

- Predict future requirements accurately and optimize inventory and resource allocation.



### Data Analysis Automation:

- Reduce manual workload and enable real-time insights for faster decisions.



### Enhanced Decision Support:

- AI-driven recommendations for procurement and supply chain strategies.



### Expected Outcomes

- Improved forecasting and agility, streamlined workflows, and data-driven decisions for mission readiness.





## Group Email

### Inventory Management Team

[FEMCInventoryManagement@dla.mil](mailto:FEMCInventoryManagement@dla.mil)

### Supply Planners

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### Resolution Specialist

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