



**ISA NEW ORLEANS**



**ISD CAPE MAY**

**ISD ALAMEDA**



**ISD JACKSONVILLE**



**ISA PORTSMOUTH**

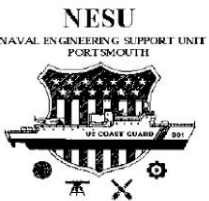
**IDS NEW HAVEN**



**ISD S. WEYMOUTH**



**ISA ST LOUIS**



**ISA SAN PEDRO**

**ISA BOSTON**

**ISD HONOLULU**



**ISA MIAMI**



**ISA DETROIT**

**ISD PORTLAND**

**ISD FORT MACON**

**ISD CHARLESTON**

**ISD SAULT ST. MARIE**

**ISD MOBILE**



# Surface Forces Logistics Center



# We Provide World Class Support



**2,044 Surface assets (244 cutters / 1,800 boats) located all over the world**



# Our Mission



**Provide Surface Fleet and other assigned assets with:**

- **Depot Level Maintenance**
- **Engineering**
- **Supply**
- **Information Services**

**to Support Coast Guard Mission Execution**



# Depot Level Maintenance





# Engineering



## Ship Design



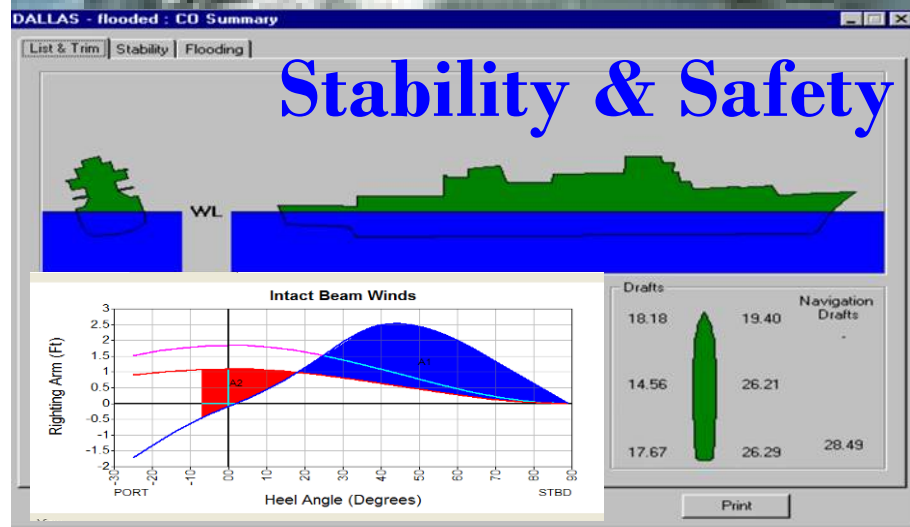
## Testing & Evaluation



## Electronics & Ordnance



## Stability & Safety





# Supply



**2.4M Parts**

**65K Line Items**

**50K Requisitions  
/year**

**\$298M Inventory**





# Information Services



Parts Availability Research Tool - Microsoft Internet Explorer pro UNCLASSIFIED

Address: http://oscms-fls-wb11.osc.uscg.mil:81/part/CGParts.aspx

## Parts Availability Research Tool

Department of Homeland Security United States Coast Guard

Request Configuration Listing DLA CAGE Lookup Help Contacts

Inventory View Search Criteria

View All Inventory View FUIRP Items Only

Request Parts/View Cart Add To Shopping Cart Empty Shopping Cart

1 Part Record Found.

Select FUIRP Items	NIN (as reported by owner)	FEDLOG NIN	FSC	Item Name	On Hand	Unit of Issue	Price	Owner	FUIRP	CAGE	Part Number	COG C(2)
<input type="checkbox"/>	014119009	014119009	4320	PUMP,ROTARY	6	EA	\$7,245.44	CG ELC	N	07524	E-4669 ITEM 48	

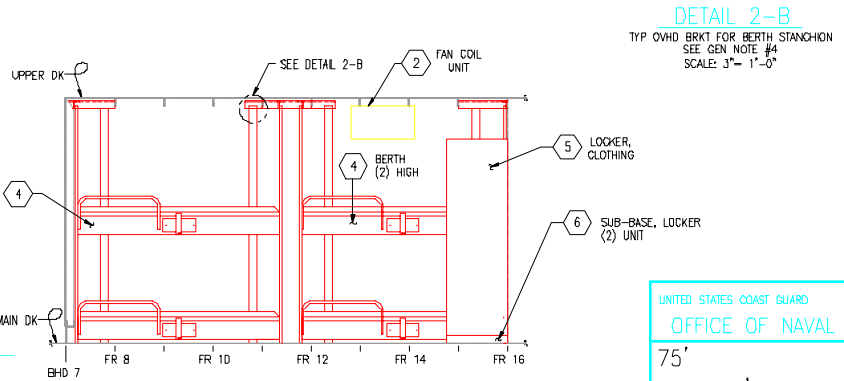
UNCLASSIFIED by United States Coast

Address: https://cgweb.netms.uscg.mil:1000/techpubs/45160/45160\_311

## 2,600 Tech Pubs

FP: 45160 (HM&E MANUAL)

TECHNICAL MANUALS



UNITED STATES COAST GUARD WASHINGTON, D.C. 20545

OFFICE OF NAVAL ENGINEERING

75' WLI

CREW'S BERTHING SPACE

ARR'G'T & DETAILS

SIZE	FSCM CAGE NO.	U.S.C.G. DRAWING NO.
D	81340	75-WLIC-601-003
SCALE	AS SHOWN	6.00 SQ FT SHEET 2 OF 2

SECTION 3-A  
LKG TO STBD FM CTR LINE  
SCALE: 1/2" = 1'-0"

4	3	2	1
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# 34,500 Drawings

## Asset Visibility

## All web-enabled



# SFLC Supports



<b>Assets</b>	<b>2044 (244 cutters / 1800 boats)</b> <b>34 Major Asset Classes (17 cutters / 17 boats)</b>
<b>Operating Hours</b>	<b>1.5M (461K cutters / 1.1M boats)</b>
<b>Depot Maintenance Availabilities</b>	<b>200/yr (125 cutters / 75 boats)</b>
<b>Supply Line Items</b>	<b>up to 250K to push parts on time (65K today)</b>
<b>Maintenance Procedure Cards</b>	<b>&gt;18K (200 to 900/Class)</b>





Kodiak, AK

Ketchikan, AK (SILC)

Sault Ste. Marie, MI

Bangor, WA

SEATTLE, WA  
Seattle, WA

Sault Ste. Marie, MI

Detroit, MI

CLEVELAND, OH

S. Portland, ME

Kittery, ME

BOSTON, MA  
Boston, MA  
Boston, MA  
Boston, MA

ALAMEDA, CA  
Alameda, CA  
Alameda, CA

San Pedro, CA

St. Louis, MO  
St. Louis, MO

SFLC  
CG Yard

S. Weymouth, MA  
Newport, RI  
New Haven, CT  
Cape May, NJ

San Diego, CA

HONOLULU, HI  
Honolulu, HI  
Honolulu, HI

PORTSMOUTH, VA  
Portsmouth, VA  
Portsmouth, VA  
Portsmouth, VA

Atlantic Beach, NC  
Atlantic Beach, NC

CHARLESTON, SC  
Charleston, SC  
Charleston, SC

- NESU
- MAT
- ISA
- ISD
- WAT

Honolulu, HI

Mobile, AL

MIAMI, FL  
Miami, FL  
Miami, FL

Pascagoula, MS

NEW ORLEANS, LA  
New Orleans, LA

Key West, FL

San Juan, PR

St Petersburg, FL

Key West, FL



# Staffing ~ 2750



- **Civilian: 1350**

- 1100 Bargaining Unit
- 550 GS
- 800 Wage Grade

- **Military: 1100**

- 300 Officers (38 Reservists)
- 800 Enlisted



- **Contractors: 300**





# Functional Relationships



- **Product Lines:**
- **Experts on the asset – exercise control over the configuration**
- **Serve as single “touch point” for the fleet**
- **Meshes Engineering, Supply, Procurement, and Depot Maintenance expertise**
- **Support Divisions:**
- **Experts in their discipline:**
  - **Engineering Services Division (ESD) – Technical Authority**
  - **Asset Logistics Division (ALD) – Materials and Funds Management**
  - **Business Operations Division (BOD) – Information Management; Data Driven Decision-making**
  - **Industrial Operations Division (IOD) – Industrial Services and Depot Maintenance Execution**





# Functional Relationships



## CG YARD - An integral part of SFLC

- Full Service Industrial Facility
  - Availabilities - Maintenance/Repair
  - Remanufacturing
  - Detailed Engineering Design





# What We Will Do



- **Product Lines as single "touch point" for fleet:**
  - Engineering, Maintenance, Logistics, Information
  - HM&E, ELEX, WEPS
- **Rigorous Configuration Control:**
  - Common guidance & processes used enterprise-wide.
  - Enforce a new robust Level of Accountability via Compliance Inspections.
- **Total Asset Visibility:**
  - Manage & Fund Push-style, Free Issue Repair Parts (managed parts ↑ from 15% to 95%).
  - Own the Surface Fleet's Shoreside & Fleet Onboard Inventories.
  - Establish, Monitor, & Adjust Allowance Levels to meet Performance Goals.
  - Standardize inventory management processes & adopt CG-wide common IT system.
- **Bi-level Maintenance:**
  - All maintenance procedures fully, accurately, documented (Organizational & Depot).
  - [Old RB-S Manual](#) [New RB-S Manual](#)



# What We Will Do



- Centrally Manage all Fleet Maintenance Funds
- Implement Continuous Improvement (Lean-Six Sigma).
- Employ robust, timely, accurate Metrics & Trend Analyses.
- Manage/execute/enforce CG-4 Technical Authority.
- Partner w/APO to provide seamless Product Line based support from acquisition through sustainment to ultimate disposition.



# Condition-Based Maintenance



- Naval Engineering has introduced centrally supported IOD and contracted capabilities:
  - Vibration Monitoring
  - Thermographic imaging
  - Bore Scope inspection
  - Flow Measurement
  - Ultrasonic Inspection
  - Laser Alignment
  - Motor Circuit Analysis
  - Diesel Engine Signature Analysis
- Future
  - Train & certify technicians
  - Record data in the ACMS



SFLC provides centralized management & logistics.



# Corrosion Prevention & Control (CPAC)



- CPAC Program
  - Based on ALC benchmark
  - Based on NAVSEA work

CONDITION 4



Top of Void

Sides

Farallon

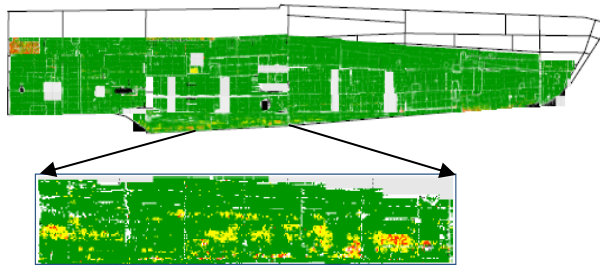
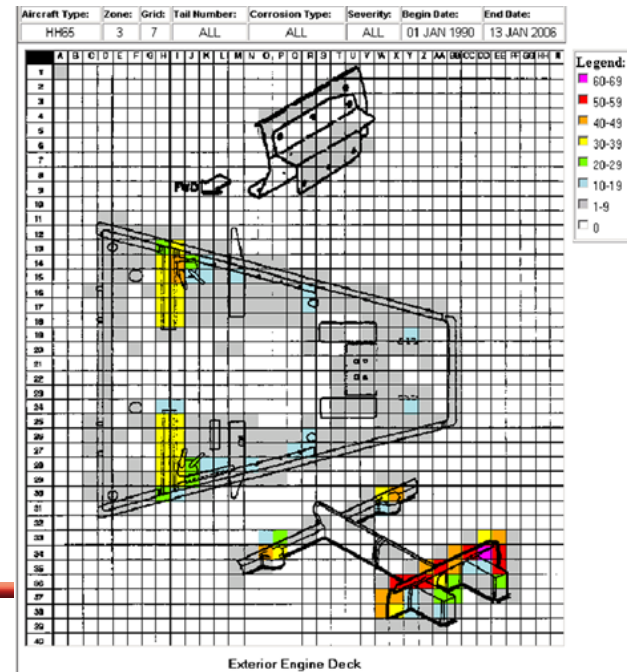


Plate AF

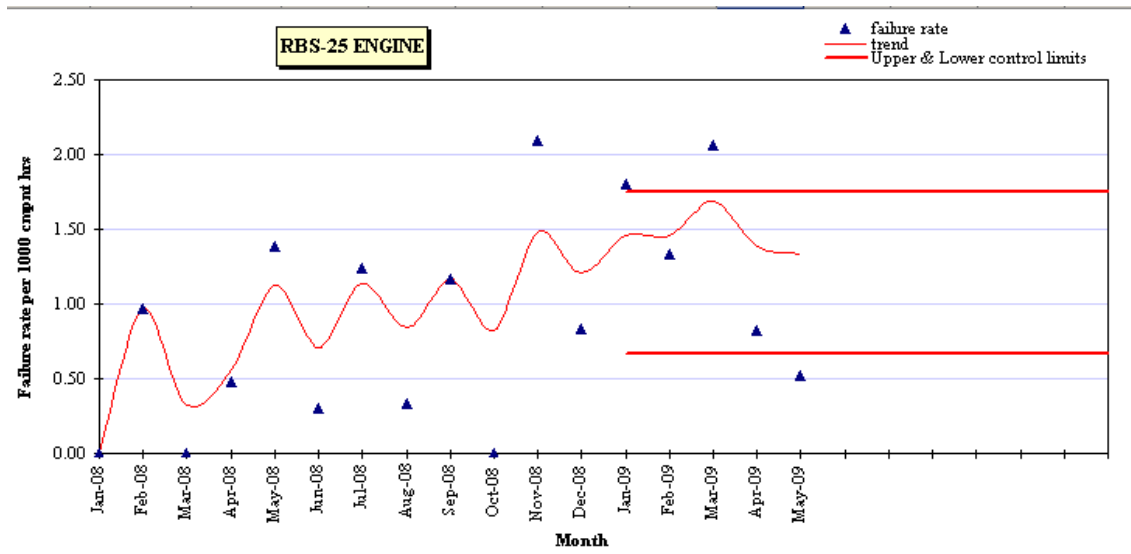


Exterior Engine Deck





# Data Driven Maintenance



- The ACMS provide hard data for analysis
  - Able to set maintenance intervals based on performance
  - Able to predict system mission performance



# Significant Contracts



• Small Boat BPA	5 years	\$10M
• CBM BPA	5 years	\$10M
• Engineering BPA	5 years	\$10M
• CG MAP	3 years	\$10M
• RCM BPA	5 years	\$10M
• BHS/ISST	5 years	\$4M
• Logistics BPA (in source selection)	5 years	\$94M