



Surface Forces Logistics Center

SFLC exists to Support the Fleet

Information Brief to:

SFLC Overview

Date: 21 October 2015

Presenter:

Mr. Ken Burgess - SFLC Executive Director



Assistant Commandant for
Engineering and Logistics (CG-4)





SFLC Exists to Support the Fleet



SFLC's Mission:

Provide Surface Fleet and other assigned assets with:

- Depot Level Maintenance
- Engineering
- Supply
- Information Services

to support Coast Guard mission execution, worldwide.

Assets Supported

2,040+ (242 cutters / ~1,800 boats)
72 Asset Classes (23 cutter / 49 boat)

Annual Depot Maintenance Availabilities (FY12-14 Levels)

270-330 Availabilities (+ 900 Other Projects)

- Cutter Docksides ~ 140-160
- Cutter Dry Docks ~ 80-90
- Boat Availabilities ~ 50-80
- Other Cutter Projects ~ 215-265**
- Other Boat Projects ~ 525-725**

**** Other Projects include:** Cutter / Boat Engine Overhauls, flight deck overhauls, crane overhauls, etc ...often done in CHARLIE periods.

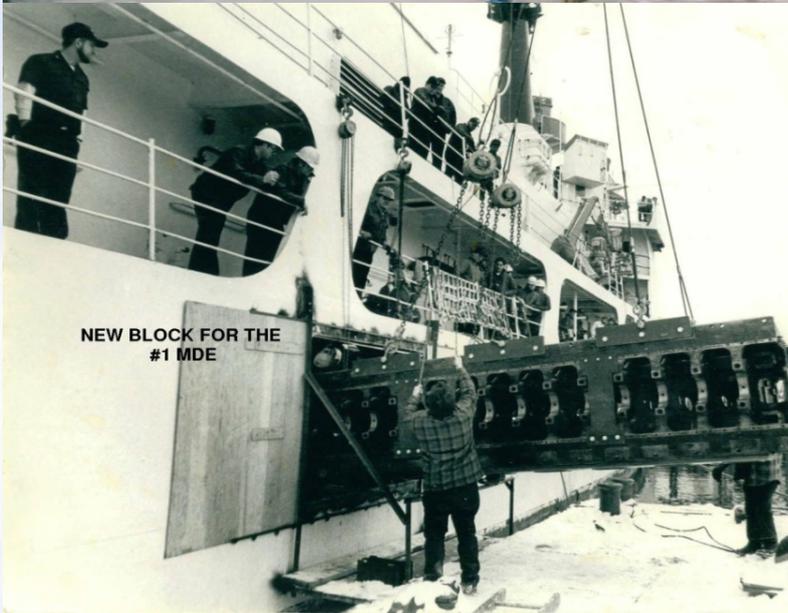


Assistant Commandant for Engineering and Logistics (CG-4)



Depot Level Maintenance

Dry Docking, Dockside Availabilities, Emergency Repairs



Assistant Commandant for
Engineering and Logistics (CG-4)



Engineering



Ship Design



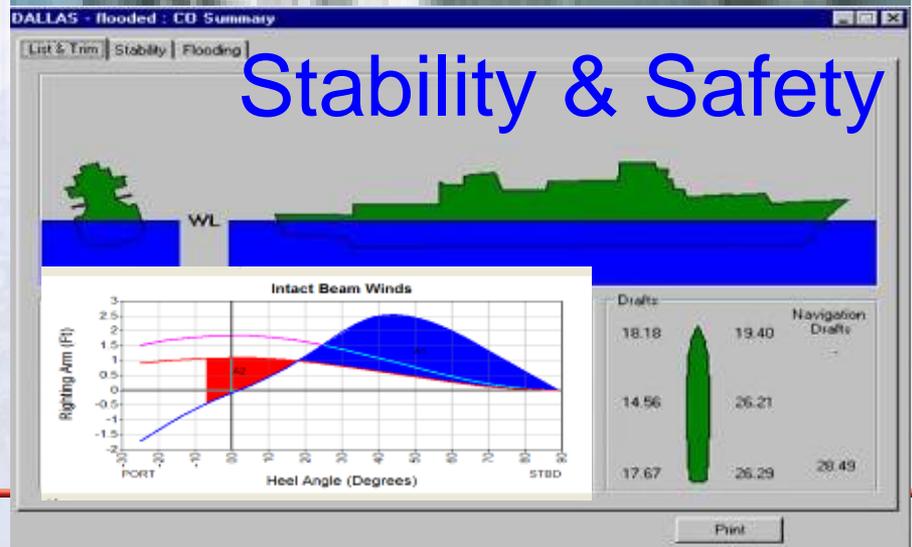
Testing & Evaluation



Electronics & Ordnance



Stability & Safety



Assistant Commandant for Engineering and Logistics (CG-4)



Inventory Warehouse

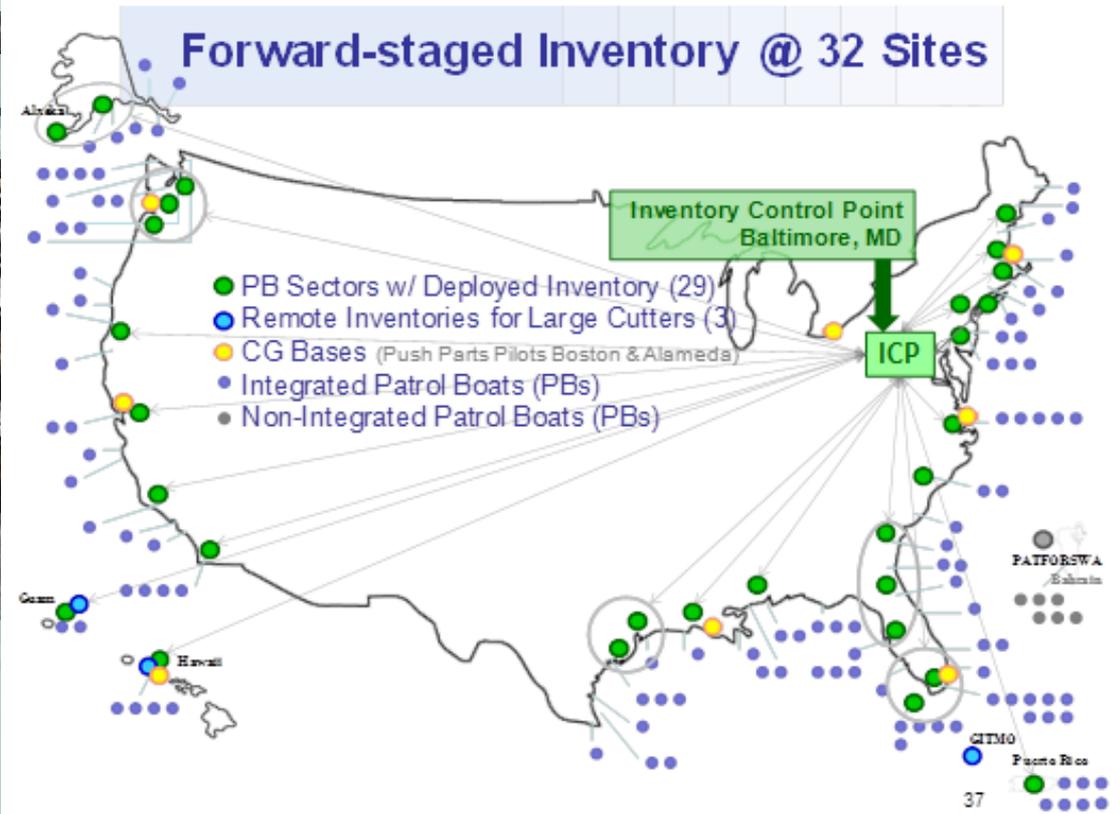
→ CFO Compliant ←



Cutter Warehouse: \$560M+ Inventory

- 2.0M+ Parts
- 26K Line Items
- 70K Requisitions per Year

Boat Warehouse: \$13M+ Inventory





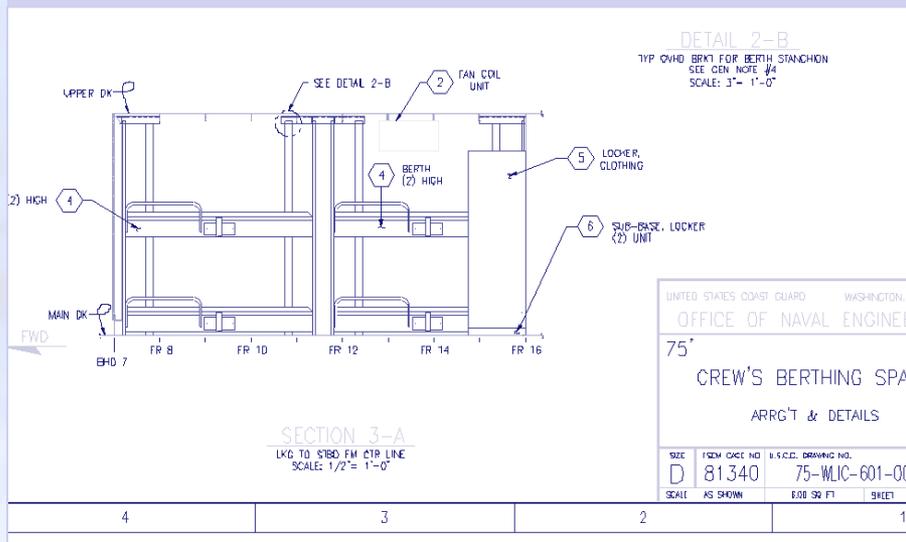
Technical Information Services

Drawings, Technical Publications & Asset Visibility Tools



34,500 Drawings

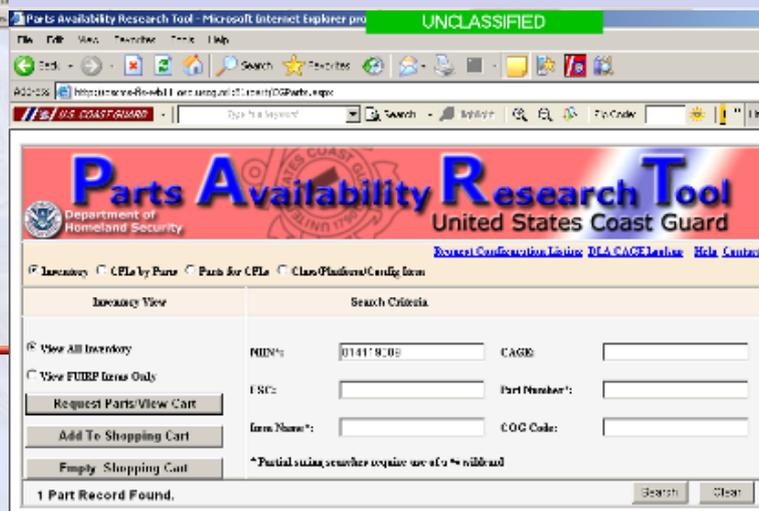
→ All Web-Enabled ←



2,600 Tech Pubs



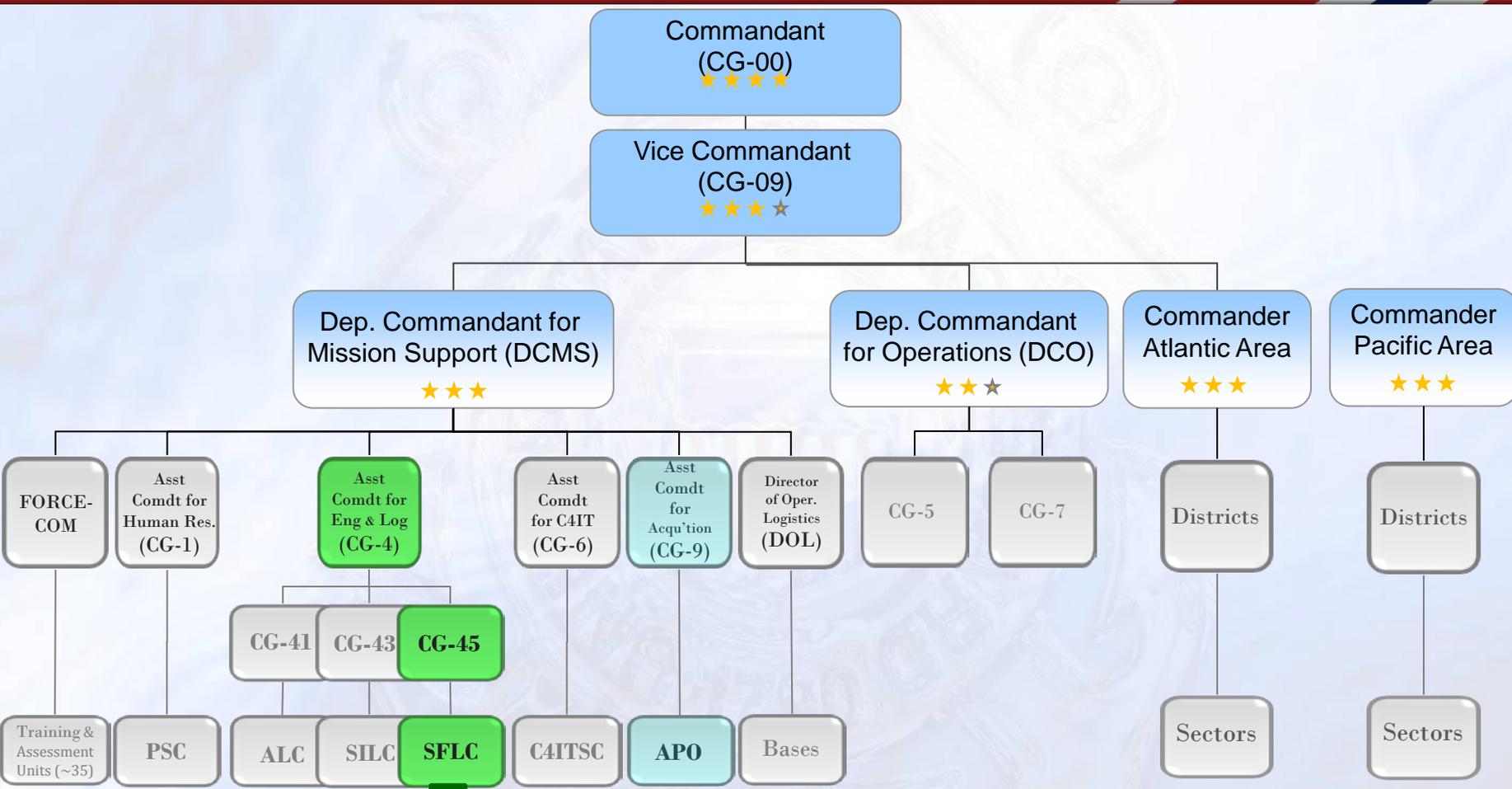
Asset Visibility Tools



Assistant Commandant for Engineering and Logistics (CG-4)



SFLC in Centralized Mission Support Organization



Centralized management of Naval Engineering Support Forces – *one Logistics Center for Surface Forces.*
(formerly – 3 separate maintenance & supply centers)

Assistant Commandant for Engineering and Logistics (CG-4)





SFLC's Nat'l Logistics Enterprise

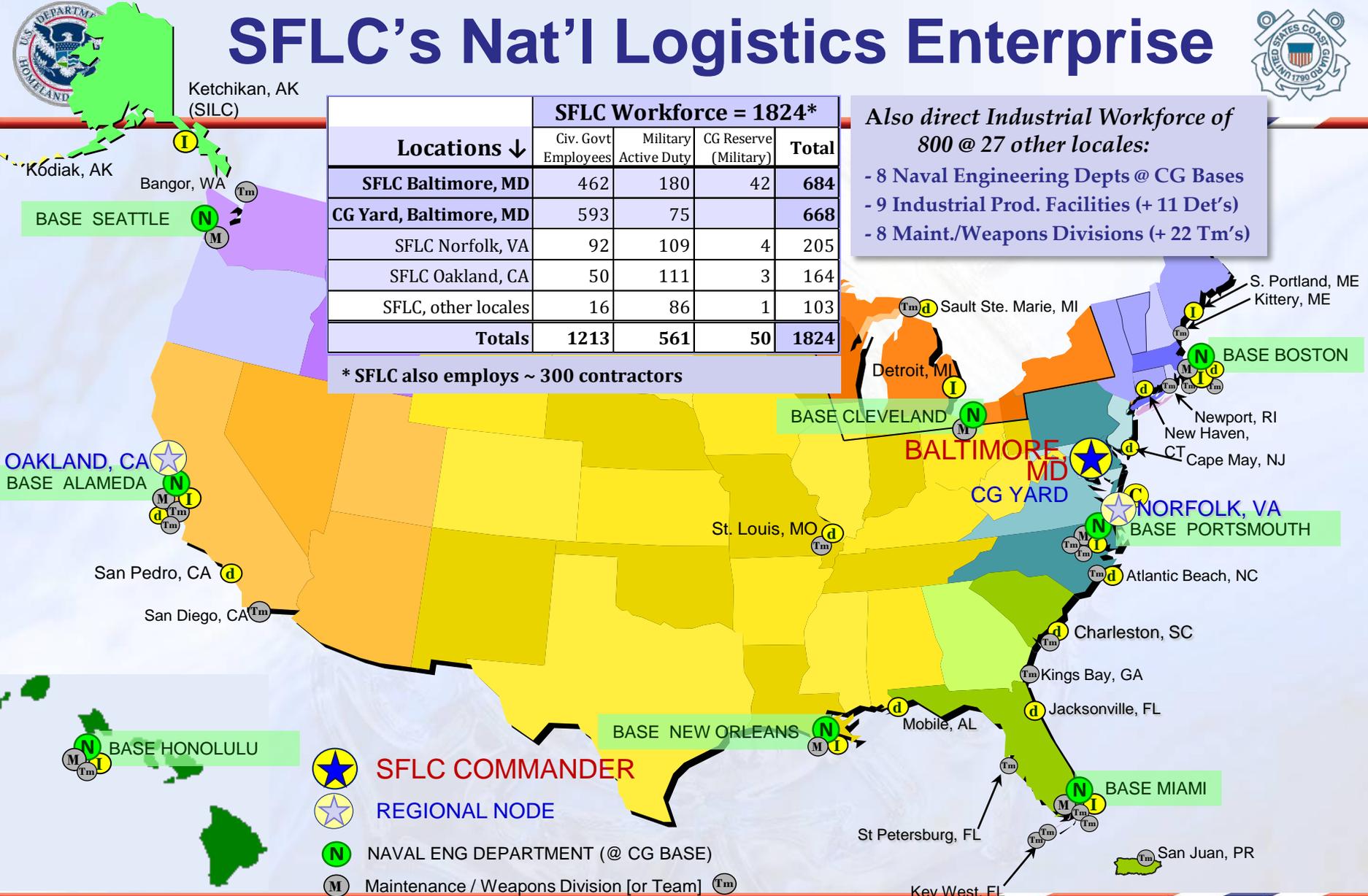


Locations ↓	SFLC Workforce = 1824*			
	Civ. Govt Employees	Military Active Duty	CG Reserve (Military)	Total
SFLC Baltimore, MD	462	180	42	684
CG Yard, Baltimore, MD	593	75		668
SFLC Norfolk, VA	92	109	4	205
SFLC Oakland, CA	50	111	3	164
SFLC, other locales	16	86	1	103
Totals	1213	561	50	1824

* SFLC also employs ~ 300 contractors

Also direct Industrial Workforce of 800 @ 27 other locales:

- 8 Naval Engineering Depts @ CG Bases
- 9 Industrial Prod. Facilities (+ 11 Det's)
- 8 Maint./Weapons Divisions (+ 22 Tm's)



- SFLC COMMANDER
- REGIONAL NODE
- NAVAL ENG DEPARTMENT (@ CG BASE)
- Maintenance / Weapons Division [or Team]
- Industrial Production Facility [or Detachment]
- Central IOD (Industrial Ops Division)





SFLC Organization



5 Product Lines
are supported by
Six Shared Service Divs

SFLC Command
Commander CAPT Doug Schofield
Exec Dir Ken Burgess
CMC DCCM Robert Jeffries

Head of Contracting Authority (HCA)

Product Lines

- Serve as single “touch point” for the fleet
- Control Asset Configuration
- Execute Standard Processes

Long Range Enforcer Product Line
PLM CAPT Greg Stanclik
Deputy Dave Wilhelm

ENG	PDM	SUPPLY
-----	-----	--------

Med Endurance Cutter Product Line
PLM CDR Frank Pierce
Deputy Walter Demmerle

ENG	PDM	SUPPLY
-----	-----	--------

Patrol Boat Product Line
PLM CDR Drew Pecora
Deputy Mike Parrish

ENG	PDM	SUPPLY
-----	-----	--------

Ice Breaker / Buoy and Construction Tender Product Line
PLM CDR Paul Stukus
Deputy Anne Gooch

ENG	PDM	SUPPLY
-----	-----	--------

Small Boat Product Line
PLM CDR Brian Melvin
Deputy Randy Gardner

ENG	PDM	SUPPLY
-----	-----	--------

Fleet link

Fleet link

Fleet link

Fleet link

Fleet link

Contracting & Procurement Division (COCO)
Div Ch Barbara Kuklinski
Deputy Millie Figueroa

Asset Logistics Division
Div Ch Mike Leonard
Deputy CDR Will Budovec

Engineering Services Division
Div Ch John Kaplan
Dep LCDR Tyson Scofield

Industrial Operations Division
Div Ch CAPT Jeff Good
Dep CDR Travis Rasmussen

Business Operations Division
Div Ch CDR Steve Fabian
Deputy Jim Lane

CG YARD
CO CAPT G. Leshar
XO CDR Chris Wolfe

Shared Service Divisions

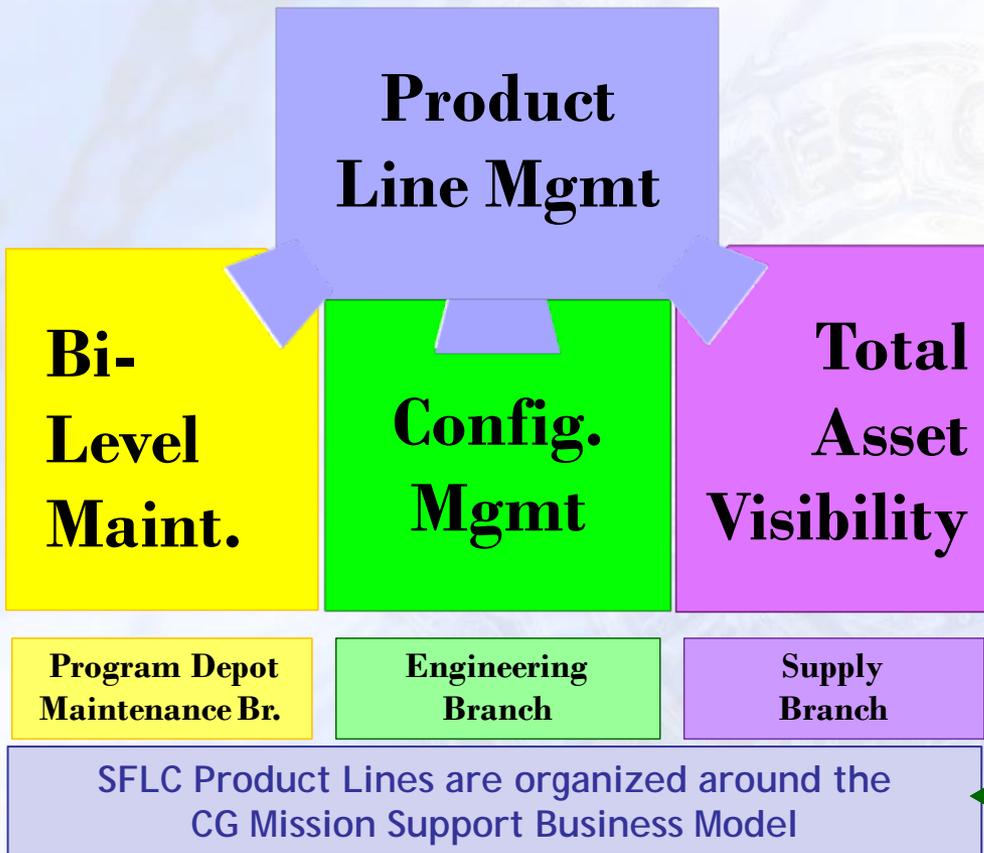
- Support the Product Lines & Exercise Process Control
- SMEs exercising Technical Authority + Chair 3 SFLC Boards
- BOD ties SFLC together w metrics

Workforce Services Division
DivCh LCDR C. Heffelfinger
Deputy Peggy Ruskie





Power of Product Line for Fleet Support



Power of the Product Line

- ✓ Single-Point Accountability to Fleet
- ✓ Outcomes Visible (Ops Availability)
- ✓ 100% Maintenance Costs Visible
- ✓ Enterprise-Level Configuration Mgmt
- ✓ Supply Joined to Maintenance
- ✓ Centralized Funds (leverage suppliers)
- ✓ Nationalized Contracting Strategy
- ✓ Amplified Contingency Support





Fleet Logistics Integration: HM&E

Strategic Goal #1 – Hull, Machinery & Electrical Systems Integration



Blue Star ★ indicates classes targeted for Full Integration			HM&E Integration Status 30 Sep 2015							
PL	Asset Class	Total Hulls	(A) Product Line Org.	(B) Baselined (CM+BLM+Parts) No. of Hulls		(C) EAL (TAV)	(D) Allow. List	(E) Push Parts Free Issue	(F) Maint Funds Centralize	Fully Integrated (A+B+C+D+E+F)
SBPL	★ Fully Integrated Boats, 10 Classes	942	✓	941	✓	✓	✓	✓	✓	✓
	★ Targeted for Full Integration, 5 Classes	184	✓	141	77%	✓	✓	in progress	✓	
	Partially Integrat'd Boats (EAL), 21 classes	348	✓	N/A	N/A	79%	N/A	N/A	N/A	N/A
	Non-integrated Boats, 13 Classes	339	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PBPL	★ 87' WPB	73	✓	73	✓	✓	✓	✓	✓	✓
	★ 110' WPBs*	23	✓	23	✓	✓	✓	✓	✓	✓
	★ 154' FRCs** +	13	✓	★	92%	✓	50%	in progress		
IBCTPL	★ 175' WLMs	14	✓	14	✓	✓	95%		D-Level Fund	
	★ 225' WLBs	16	✓			✓			D-Level Fund	
	★ MACKINAW	1	✓			✓			✓	
	★ 140' WTGBs	9	✓			89%				
	Partially Integrated Tenders, WLIs, WYTLs	46	✓	N/A	N/A	13%	N/A	N/A	N/A	
MECPL	★ 210' WMEC	14	✓	14	✓	✓	✓	in progress	D-Level Fund	
	★ 270' WMEC	13	✓	13	✓	✓	✓	in progress	D-Level Fund	
	EAGLE - Partially Integrated	1	✓	N/A	N/A		N/A	N/A	N/A	
LREPL	★ 378' WHEC + ALEX HALEY	7	✓	7	✓	✓	✓		D-Level: HEC	
	★ 418' WMSLs	4	✓	4	✓	✓	✓	in progress	✓	
	★ POLAR STAR	1	✓	1	✓	✓	✓			
	★ HEALY	1	✓	1	✓	✓	✓			

Recent Highlights

- ✓ **Boats:** 10 classes Fully Integrated; 5 more targeted for Full Integration: 32' TPSB; 17' CB-M; LRI-II; CB-OTH IV; 20' CB-L
- ✓ **Baselined:** 10 Cutter Classes
- ✓ **EAL:** 200 Cutters in 16 classes
- ✓ **Allowance Lists:** published for 6 cutter classes
- ✓ **Funds:** D-Level reallocation set for several large cutters (except HIBs)
- ✓ **Push Parts:** LREPL & MECPL prototyping pushing parts to Base Boston & Base Alameda.

* Excludes 6 ea PATFORSWA 110s
 ** 22 FRCs approved for construction.
 + MPC's not delivered w/ acquisition

Baselining Terms

CM = Configuration Mgmt data for the hull is enrolled in IT tools;
 BLM = data on Bi-Level Maintenance requirements are linked with the CM data; and
 Parts = data on Parts needed for required maintenance are linked to the BLM data.



Fleet Logistics Integration: C4IT

Strategic Goal #7 – C4IT Systems Integration



Blue Star★ indicates classes targeted for Full Integration			C4IT Integration Status 30 Sep 2015							
PL	Asset Class	Total Hulls	(A) Product Line Org.	(B) Baselined (CM+BLM+Parts) No. of Hulls		(C) EAL (TAV)	(D) Allow. List	(E) Push Parts Free Issue	(F) Maint Funds Centralize	Fully Integrated (A+B+C+D+E+F)
SBPL	★ Fully Integrated Boats, 10 Classes	942	✓	941	✓	✓	✓	✓	✓	✓
	★ Targeted for Full Integration, 5 Classes	184	✓	141	77%	✓	✓	in progress	✓	
	Partially Integrat'd Boats (EAL), 21 classes	348	✓	N/A	N/A	79%	N/A	N/A	N/A	N/A
	Non-integrated Boats, 13 Classes	339	✓	N/A	N/A	0	N/A	N/A	N/A	N/A
PBPL	★ 87' WPB	69	✓	69	✓	✓	✓	All LANT Area		
	★ MFPU 87' WPBs	4	✓			✓				
	★ 110' WPBs*	23	✓			✓	D11+D13	D11+D13		
	★ 154' FRCs** +	13	✓			✓				
IBCTPL	★ 175' WLMs	14	✓			✓				
	★ 225' WLBs	16	✓			✓				
	★ MACKINAW	1	✓			✓				
	★ 140' WTGBs	9	✓			89%				
	Partially-Integrated Tenders, WLIs, WYTLs	46	✓	N/A	N/A	13%	N/A			
MECPL	★ 210' WMEC	14	✓			✓				
	★ 270' WMEC	13	✓			✓				
	EAGLE - Partially Integrated	1	✓	N/A	N/A		N/A			
LREPL	★ 378' WHEC + ALEX HALEY	7	✓			✓				
	★ 418' WMSLs	4	✓			✓				
	★ POLAR STAR	1	✓			✓				
	★ HEALY	1	✓			✓				

87' WPBs are 1st Cutter Class to complete C4IT Base-lining.

CONOP



Integrating Fleet C4IT Mission Support into the CG Mission Support Business Model

Co-signed SFLC + C4ITSC
6 May 2015

* Excludes 6 ea PATFORSWA 110s
** 22 FRCs approved for construction
+ MPC's not delivered w/ acquisition

Baselining Terms

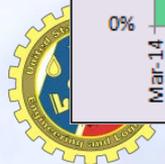
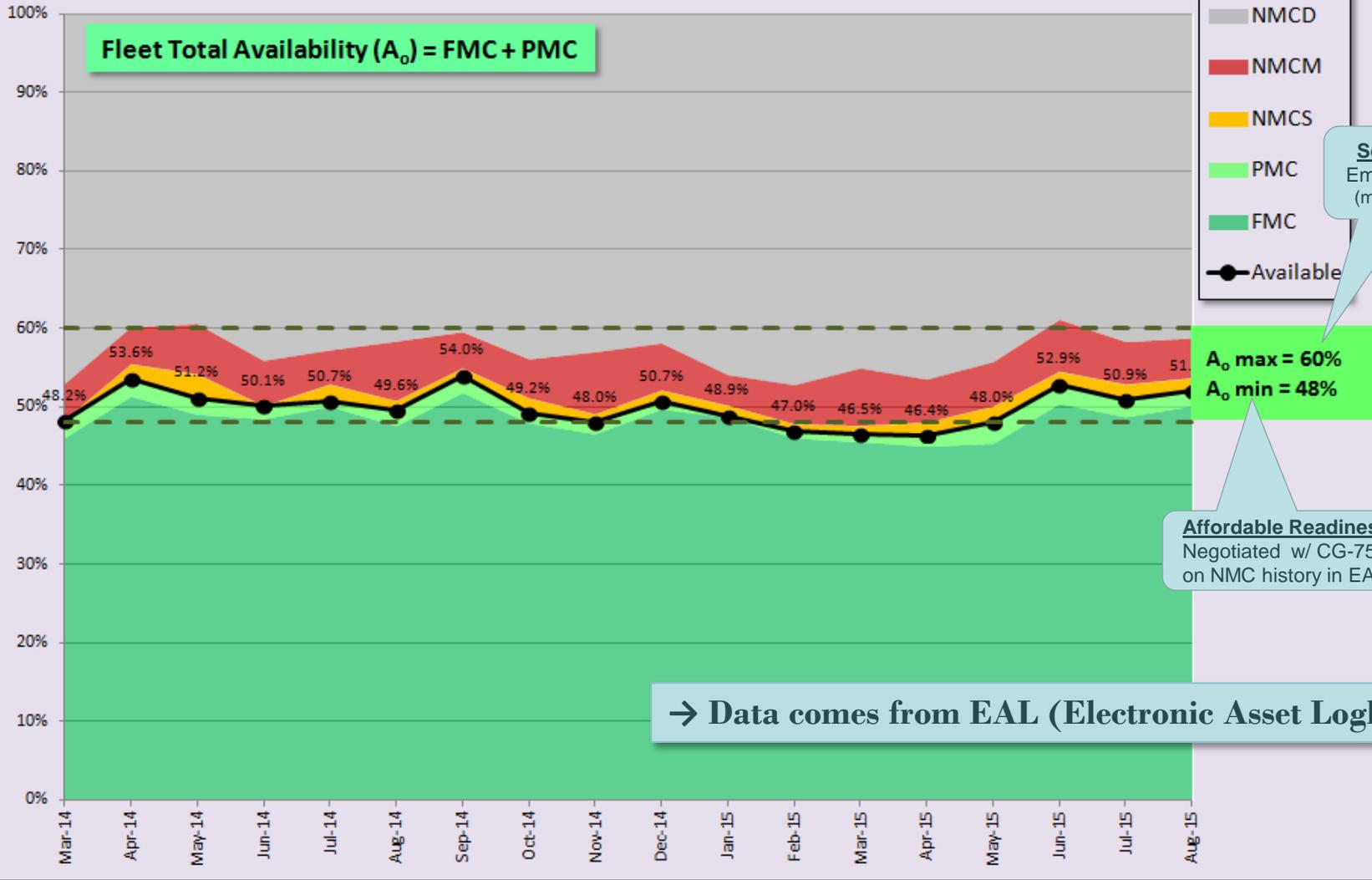
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BLM = data on Bi-Level Maintenance requiremen
Parts = data on Parts needed for required maintenance are linked to the BLM data.



Sustaining Fleet Total Availability (A_T)



87' WPB Total Availability (A_T) & NMC Status (73 hulls)





Fleet Visibility - 80% of Cutters in EAL



→ Electronic Asset Logbook (EAL) ←

Aircraft Active Status:

AC#	Aircraft Type	Status	PMC / RFB	Remarks
6518	H65	NMCM as of 09 Nov 2012 / 1200 Z		Static hydraulic leak foud beyond limits. Touble shoot

Helo Status

Boat Active Status:

Hull#	Boat Type	Status	PMC / RFB	Remarks
23193	CB	FMC as of 09 Nov 2012 / 1500 Z		
24212	CBL	FMC as of 09 Feb 2009 / 0000 Z		

Boat Status

Cutter Active Status:

Hull#	Cutter Type	Status	PMC / RFB	Remarks
618	MEC210	NMCM as of 09 Nov 2012 / 1548 Z	RFB on 12 Nov 2012 / 1500 Z	CAT: 4 EQUIP: Propulsion CASULTY: #1 MDE major lube oil leak OP IMPACT: Severe, unable to run #1 MDE, nearest port ASSIST: Request tech rep meet cutter at port of call RESPONSE:
				CAT: 3 EQUIP: Radar CASULTY: Wave guide inop OP IMPACT: Severe, Radar inop ASSIST: Request wave guide shipped to next port of call. RESPONSE: Wave Guide shipped to next port of call

Op Availability (Ao) Status Info

FMC, PMC, NMCM, NMCS, NMCD

Cutter Status

Detailed Engineering & Logistics Info

◆◆◆
SFLC enrolls all cutters and boats, and...

◆◆◆
SFLC trains all Cutter and Station crews to use EAL.
◆◆◆

Dec 2011

Dec 2012

Dec 2013

Jun 2015

2015 Focus: Cutters on Western Rivers

Cutters Visible in EAL

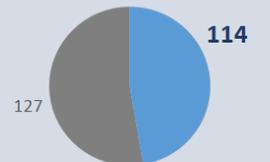
(Dec 2011)



■ Cutters Visible in EAL ■ Cutters Not Visible

Cutters Visible in EAL

(Dec 2012)



■ Cutters Visible in EAL ■ Cutters Not Visible

Cutters Visible in EAL

(Dec 2013)



■ Cutters Visible in EAL ■ Cutters Not Visible

Cutters Visible in EAL

(Jun 2015)



■ Cutters Visible in EAL ■ Cutters Not Visible



EAL Data being used by CG Operations



DECISIVE (WMEC-629)

ATTRIBUTE_VALUE: Boat
Asset Type: MEC210
Asset Model: 210B
Asset Serial Number: 629.0
Label: 210B-629

Status: PWC
PWC or RFB: R/O non-functional (S)

Remarks: CROKER INDEX # 15115 Coast Impairment Underway; Underway CAT: 3 UPGRADED Dept/Districtal Oversight: Engineering/Auxiliary EQUIP: Reverse Osmosis System EIC: TB00 CASUALTY: Multiple failures occurred to various components of both the 'A'- and 'B'- sides of the R/O system, R/O is not functioning and results in no potable water production aboard. REMARKS: The casualties include a seal failure of the 'B'-side high pressure pump (pin: 70-6178, NSN: 4320015935378), failed salinity probe of both the 'A'- and 'B'-sides (pin: 20-4096, NSN: 6630012300 571), and of the 'A'- side relief valve bronze 38F1 (pin 60-0141). SIF attempted temporary repairs using parts available aboard, but all efforts were met with negres. Safe-to-sail waiver was submitted to LANTAREA, DCNS, and D7 highlighting impact to operations. Cutter is planning a BSL for Guantanamo Bay, Cuba for 14 Nov 2013 to, at the least, top off on potable water and off-load trash (water restrictions require the galley/mess to use paper products). OP IMPACT: Major, no water making capability. Cutter is currently at 77% water and will be able to remain at sea for 4-5 days, depending on consumption. Strict water restrictions are in place. ASSIST: Request assistance from SFLC-MECPLM with procuring replacement high pressure pump (1), salinity probes (3), and relief valve bronze and have shipped to next port call, Guantanamo Bay, Cuba (AVD ET GTMO POC: SKC Crothers. RESPONSE: SFLC-MECPLM has submitted PR through O EM for all parts requested. Vendor stated all parts are in stock and SFLC-MECPLM is coordinating with OEM and Baltimore Shipping Department to have parts shipped to requested destination by 16NOV13.

Point Based Services



Generated using GVS

EAL Status data linked to Google Earth Display

CGC Decisive in Caribbean Sea via Google Earth display.

DECISIVE (WMEC-629)

Dec 2011

Jun 2015

Cutters Visible in EAL
(Dec 2011)



Cutters Visible in EAL
(Jun 2015)



■ Cutters Visible in EAL ■ Cutters Not Visible

■ Cutters Visible in EAL ■ Cutters Not Visible



Strategic Initiatives



- **Finish HM&E Integration into CG MS Business Model**
- **Integrate Fleet C4IT into CG MS Business Model**
- **Strategic Efficiencies**
 - Pushing Parts
 - MATOC Contracts
 - Bow-to-Stern Dry-Docks for WPBs
 - Cutter Boat Pooling
 - D7 RB-M Pooling

SFLC Strategic Plan
Coast Guard Surface Forces Logistics Center
2013...2014...2015...2016...

SFLC exists to support the fleet...

United States Coast Guard
Surface Forces Logistics Center
Strategic Plan (v 2013.1)
12 Sep 2013

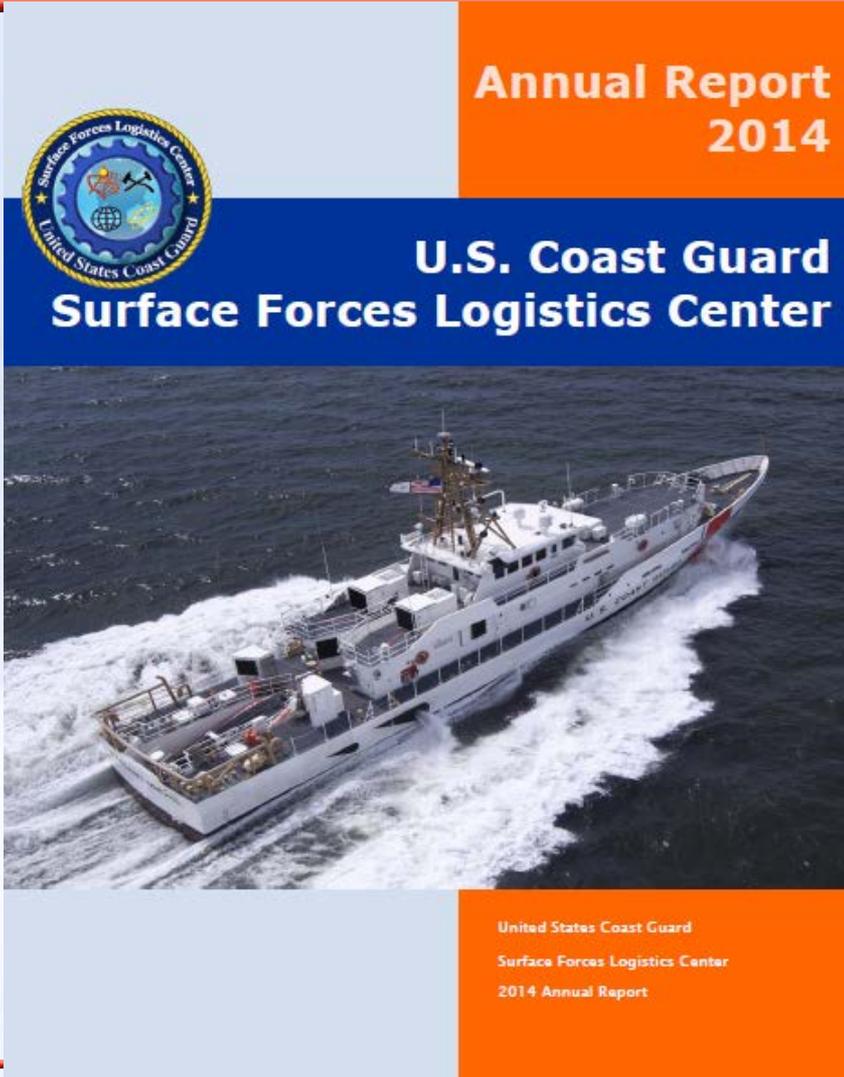




Topics / Results Reported

- ❖ Operational Availability (A_o)
- ❖ Maintenance Cost per Op Hour
- ❖ Implementing Mission Support Biz Model
 - Fleet HM&E Systems
 - Fleet C4IT Systems
- ❖ Engineering Changes
- ❖ Depot Maintenance Results
- ❖ CG Yard Fleet Mission Support
- ❖ Financial Results
- ❖ Field Depot Forces Mission Support
- ❖ Fleet Mission Support Initiatives

http://cgweb.sflc.uscg.mil/xData/main/SFLC_Annual_Report.pdf





CG Yard

An integral part of SFLC



Yard Workforce: 668 Total
 → 12 Trade Shops
 ~ 370 Production Craftsmen
 ~ 120 Mgrs, Engineers & Support

Yard Working Capital Fund: \$90M
Full Service Industrial Facility

Base Security & Services for:

- ✓ 10 tenant Commands;
- ✓ 7-10 visiting cutters;
- ✓ 5 Detachments;
- ✓ over 2,200 people.

Top 5 Yard Functions:

1. Renovation Projects (ISVS)
2. Routine & Emergency Availabilities
3. Remanufacturing & Repairables
4. Detailed Design & Engineering
5. **Base Support**





Business Process Initiatives & Owners



SFLC Business Process	Owner of Business Process
<ul style="list-style-type: none"> ▪ <u>Metrics</u>: Ops Availability (Ao) → <i>via EAL</i> ▪ Maintenance Cost / Op Hr: FY10-13 ▪ Availability Degraders + Cost Drivers ▪ Port Engineers in PLs → <i>COTRs all availabilities</i> ▪ MATOC & IDIQ Contract Strategies <ul style="list-style-type: none"> - IDIQs >195 in FY10-13; 40 in FY14; 25 in FY15 - 2 MATOCs (ea \$100M+): WPBs+MECs ▪ Centralize Fleet Maint. Funds: from CG-7 to SFLC <ul style="list-style-type: none"> ✓ Done for Integrated Boats, 87s & 110' WPBs; ✓ Done for D-Level for Large Cutters ▪ Supply Focus on FTFR for Critical Repairables ▪ Structural Management Program ▪ Focus on Planned Maintenance (vs CASREPs) ▪ <u>Electr. Asset Logbook</u> (EAL) → <i>Fleet Visibility</i> <ul style="list-style-type: none"> - 200 Cutters in 16 cutter classes ▪ <u>Cutter Allowance Lists</u>: MECs, HECs, WMSLs, WPBs ▪ SFLC Process Guides + Process Control ▪ National Industrial Enterprise (NIE) ▪ Push Parts ▪ Fleet C4IT Integration ▪ CG Yard ISVS + 87' CPB Bow-to-Stern DDs 	<ul style="list-style-type: none"> ➤ SFLC-BOD ➤ SFLC-BOD ➤ SFLC-BOD ➤ PDM Board (+ PLMs + CPD) ➤ SFLC-CPD ➤ SFLC-ALD ➤ Supply Board ➤ SFLC-ESD ➤ Engineering Board ➤ SFLC-BOD ➤ PLMs ➤ SFLC-BOD ➤ SFLC-IOD ➤ SFLC-ALD (lead = Beth Bunn) ➤ SFLC-ALD (lead = Greg Robertson) ➤ CG Yard

Assistant Commandant for
Engineering and Logistics (CG-4)





LREPL Fleet of Responsibility



420' WAGB (1)



- Seattle, WA
- HEALY (20)

418' WMSL (4)



- Alameda, CA
- BERTHOLF (750)
- WAESCHE (751)
- STRATTON (752)
- KIMBALL (755)

Charleston, SC

- HAMILTON (753)
- JAMES (754)

Honolulu, HI

- MUNRO (756)
- MIDGETTE (757)

399' WAGB (1)



- Seattle, WA
- POLAR SEA (10)
- POLAR STAR (11)

378' WHEC (6)



- Kodiak, AK
- MUNRO (724)

Seattle, WA

- MELLON (717)
- MIDGETT (726)

San Diego, CA

- BOUTWELL (719)
- SHERMAN (720)

Charleston, SC

- GALLATIN (721)

Honolulu, HI

- MORGENTHAU (722)
- RUSH (723)

282' WMEC (1)



- Kodiak, AK
- ALEX HALEY (39)

13 Hulls



Assistant Commandant for
Engineering and Logistics (CG-4)

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MECPL Fleet of Responsibility



EAGLE (1)



WMEC 210' (14)



WMEC 270' (13)



28 Hulls



Assistant Commandant for
Engineering and Logistics (CG-4)

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IBCTPL Fleet of Responsibility



Class	86 cutters/ 29 Barges	33 States & Guam; 62 Homeports
WLBB	MACKINAW	Cheboygan
WLB 225'	16 cutters	14 homeports
WLM 175'	14 cutters	14 homeports
WLIC 100'	SMILAX	Atlantic Beach
WLIC 160'	4 cutters	4 homeports
WLIC 75'	8 cutters	7 homeports
WLI 100'	2 cutters	2 homeports
WLI 65'	2 cutters	2 homeports
WLR 65'	6 cutters	6 homeports
WLR 75'	12 cutters	12 homeports
WTGB 140'	9 cutters	8 homeports
WYTL 65'	11 cutters	9 homeports



86 Hulls

Assistant Commandant for
Engineering and Logistics (CG-4)

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SBPL Fleet of Responsibility

1,800+ Hulls / 49 Different Boat Classes



ATON BOATS



64' AtoN Boat



55' AtoN Boat



49' BUSL



45' BUSL



26' TANB



20' AB-S



16' AB-SKF

CUTTER BOATS



23' CB-OTH



24' CB-L



22' CB-L



20' CB-L



19' CB-L



17' CB-M



17' CB-M



17' CB-M



13' CB-S



13' CB-S



24' CB-ATON-L



18' CB-ATON-M



26' MSB



23' UTL



21' TANB



38' ASB



38' LCVP



36' LRI

RESPONSE BOATS



47' MLB



45' RBM



33' SPC-LE



25' RB-S



29' RB-S



25' RB-HS



25' TPSB



32' TPSB



23' UTL



27' UTM

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SPECIAL PURPOSE CRAFTS



24' SPC-AIR



36' SPC-BTD



52' SPC-HWX



42' SPC-NLB



64' SPC-SV



24' SPC-SW



18' - 23' SPC-SW



18' - 23' SPC-SW



38 SPC-TB



SKF



Flood relief



DOG - Zodiac EVOL7



SKF-ICE



SKF-ICE