

Industry – Navy Meeting

Time	Торіс	Facilitator/Speaker	Objectives, Activities, Deliverables
0715-0730		Seating - All	Attendees
0730-0800	Welcome/ Opening Remarks	Moderator: CDR Tommy Neville Remarks: RDML Jim Downey	Objective: Welcome attendees Agenda review Opening remarks
0800-0830	Port Workload Forecast	Mr. Tom Laverghetta	 Objective: Provide workload forecasts for all ports Further refine industry port capacity
0830-0900	CNSF Maintenance & Modernization Summit Overview	Mr. Dave Hulse	 Objective: Summary of M&M Summit held in San Diego during the week of 5 Jun 2017 Discuss top action items from summit
0900-0915		Brea	ak
0915-0945	Contracting Update	CDR Tommy Neville	 Objective: Provide an update on coast wide bids Updater on MAC-IDIQ Award timelines Detail ongoing contracting initiative
0945-1015	LCS Maintenance Execution Strategy	Ms. Robin Coady CAPT Juan Orozco CDR Joe Saegert	 Objective: Discuss the maintenance execution strategies for LCS availabilities
1015-1045	Special Project Overview	Mr. Jeff Brooks	Objective:Provide an overview and current progress of this project
1045-1130	NAVSEA Standard Item (NSI) Review	Mr. Dale Hirschman Mr. Bill Crow	 Objective: Provide and update on NSI POA&M and overall review effort Industry to provide a listing and rationale of "non-value added" NSIs Conduct a Fire and CAR Safety Metrics discussion
1130-1145	Meeting Wrap Up & Questions	CDR Tommy Neville	 Objective: Overview of any new action items Questions Set next meeting date
1145		Adjor	urn





THE FORCE BEHIND THE FLEET

INDUSTRY - NAVY DISCUSSIONS

Presented by:

RDML Jim Downey

DEPUTY COMMANDER, SURFACE WARFARE (SEA 21) / COMMANDER NAVY REGIONAL MAINTENANCE CENTER (CNRMC)



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Strategic Alignment





Integrate maintenance strategies, modernization plans, training needs, and technical, logistics to best manage the lifecycle of surface ships

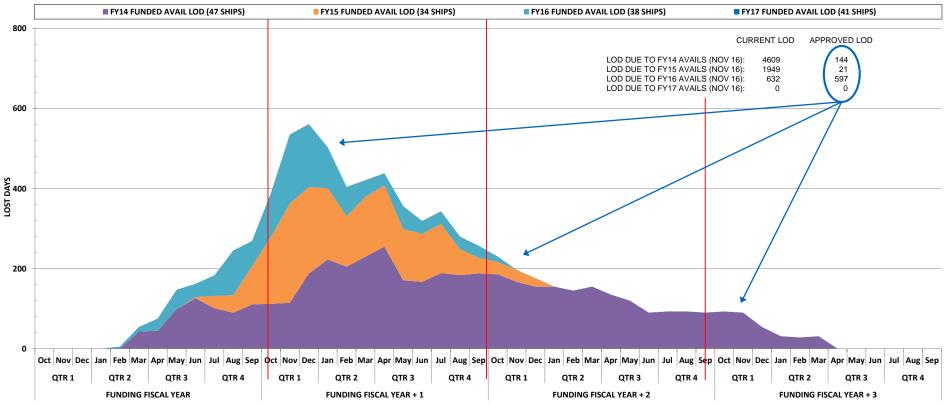
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FY14 - 17 LOD (Y) Comparison

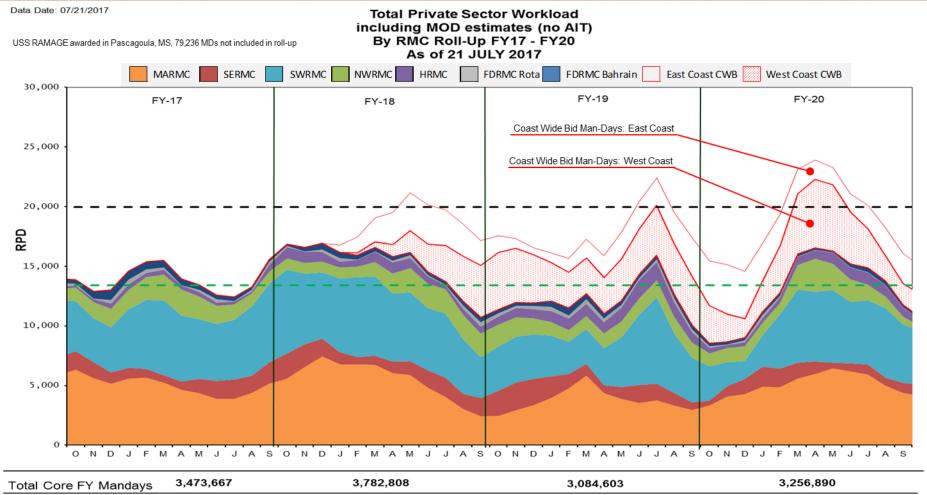


95% of CNO Availabilities Currently in Execution are on Track to Meet Current TYCOM Approved End Dates



Surface Ships CNO Availabilities





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13.868

Average Core FY RPDs

EXECUTING 21 SURFACE SHIP CNO AVAILABILITIES WORLDWIDE 90+ ships in Advance Planning / Planning Phase

12,286

Black DashLine: Industry Provided SURGE Capacity~ 20,000 RPD

15,153

Green Dash Line: 3-Year Historical Workload Average ~ 13,400 RPD

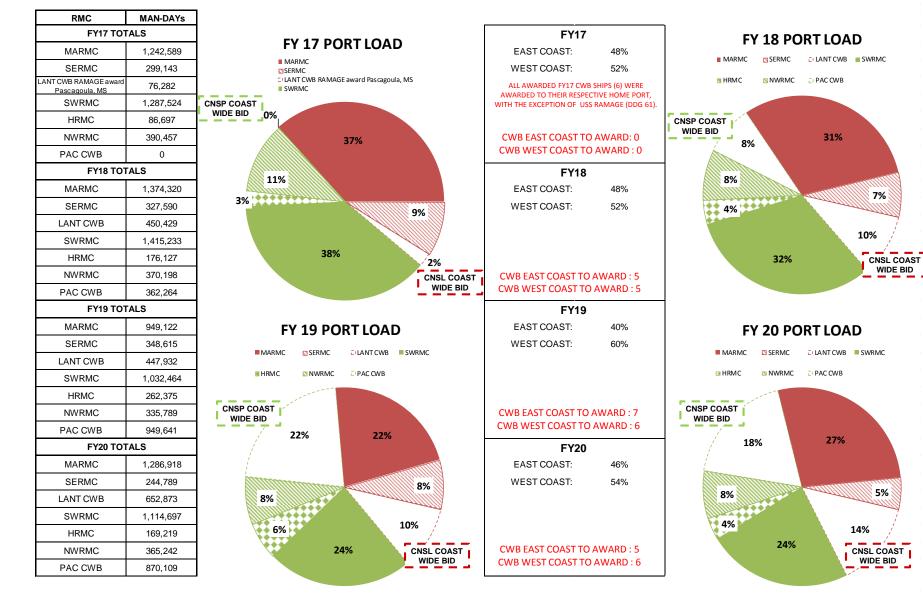


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FY17 - FY20 Port Loading by Coast (PERCENT)









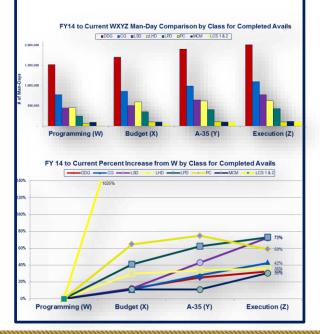
Requirements Through Execution



NAW-TE

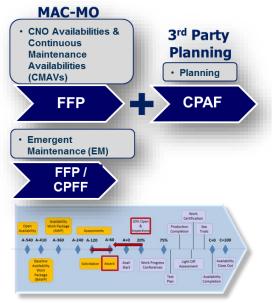
Requirements and Planning

- 3PP
- Availability Duration Scorecard (ADS)
- Work Item Front Loads
- Risk Management and Mitigation



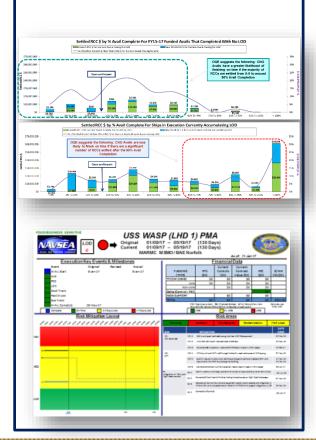
Surface Contracting

- MACMO (FFP)
- Emergent Maintenance (FFP/CPFF)
- 3PP (CPAF)
- Coast Wide Bid (FFP)
- Contract Award Timeline (A60→A120)



Execution

- Risk / Change
 Management Discipline
- C+21 IPTD





FYDP Workload / Workforce Focus Areas



Transition to In-Service



- LCS:
 - San Diego has been home to four (4) LCS-1 and LCS-2 class ships for several years
 - Workload growing to 6 ships by the end of FY18 and 10 ships by the end of FY20
- Preps for DDG 1000 transition

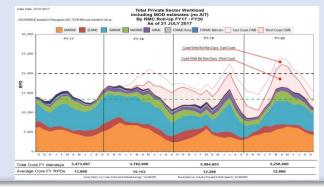
Notional Service Life Extension and Reactivation to Support USN Battle Force

- Preliminary senior Navy discussions to extend the service life of in-service CG, DDG, LHD, LHA, LSD, LPD 17, LCS, and CLF Class Ships
- Navy evaluating cost/scope for: manpower, HM&E, Combat Systems, C4I, Battle Spares, 2S COG, Obsolescence, Operations and Infrastructure to extend service life

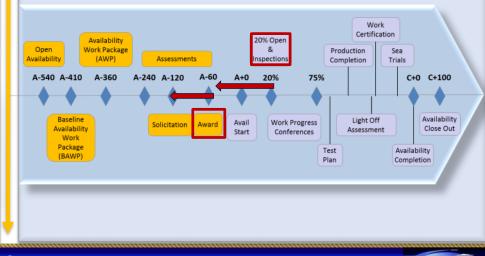


Workload Peaks in FY18-FY20

- Workload forecast 135%
- Peaks compounded by differed FY17 avails (unfunded), increasing numbers of LCS, and the introduction of DDG 1000 Zumwalt class destroyers



Stability / Predictability of Funding & Requirements











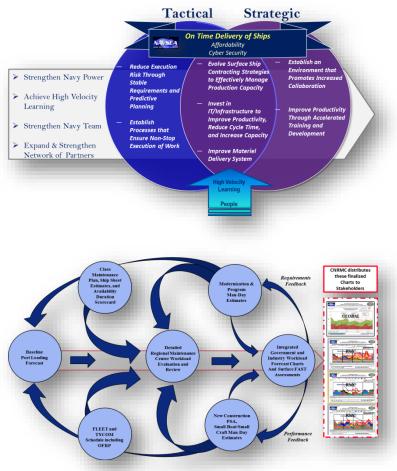


Ongoing Priority 1 Initiatives



NAVAT:

- Priority 1: On-time, on-budget delivery
- Focus includes workload forecasting Duration Analysis and work package definition
- Executing Coast Wide Bid strategy for avails > 10M
- Risk Management discipline
- "Performance to Plan"
- Managing change and adhering to schedules



Early and Transparent Planning is Mission Critical to On-Time / On-Budget Execution



DESIGN, BUILD, DELIVER AND MAINTAIN SHIPS AND SYSTEMS ON TIME AND ON COST FOR THE UNITED STATES NAVY

Port Workload Forecast



Mr. Tom Laverghetta



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- Congressional Language
- SEA 21 / CNRMC Portfolio Overview
- Private Sector Workload Assessment
- Workload Forecasting
- Surface Ship Contract Strategy
- Summary







Quarterly Private Sector Workload Updates

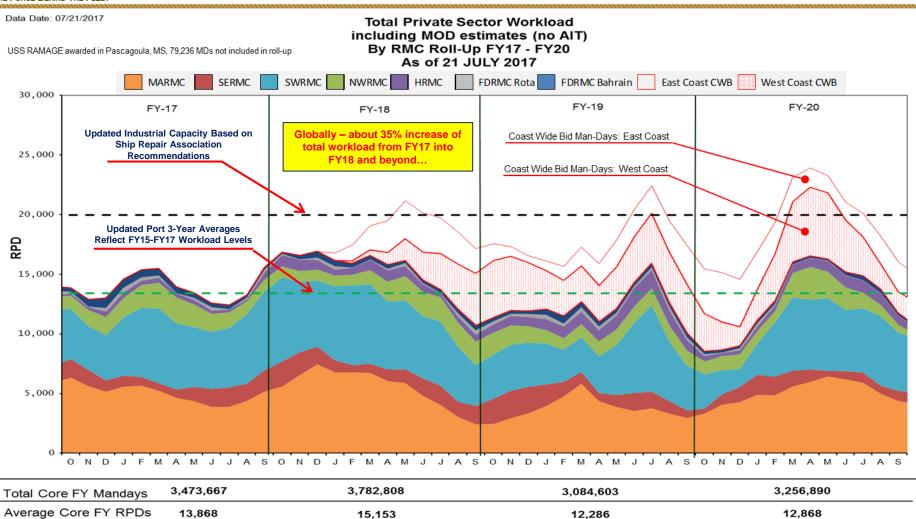
FY17 NDAA: S. 2943-77/SEC. 325 Private Sector Port Loading Assessment

- "The Navy shall conduct quarterly assessments of naval ship maintenance and loading activities carried out by private sector entities at each covered port."
- "Each assessment shall include:
 - 1) Resources per day, including daily ship avails and the workforce available to carry out maintenance and loading activities for the FY preceding the quarter covered by the assessment through the end of such quarter.
 - 2) Projected resources per day, including daily ship availabilities and the workforce available to carry out maintenance and loading activities, through the end of the second FY beginning after the quarter covered by the assessment.
 - A description of the methods by which the Secretary communicates projected workloads to private sector entities engaged in ship maintenance activities and ship loading activities.
 - 4) A description of any processes that have been implemented to allow for timely feedback from private sector entities engaged in ship maintenance/loading activities.
 - a) <u>Briefings Required on a quarterly basis until September 31, 2021, the Secretary shall provide to the Committees on Armed Services of the Senate and the House of Representatives (and the other congressional defense committees on request):</u>
 - A briefing on the results of the assessments conducted under subsection (a.), and
 - A chart depicting the information described in paragraphs (1) and (2) of subsection (b) with respect to each covered port.
 - In this instance, covered ports will include: Mayport, Florida; Norfolk, Virginia; Pearl Harbor, Hawaii; Puget Sound, Washington; San Diego, California and when applicable, other such ports may be utilized as part of the Coast-Wide Bid process."
- Conducted two direct briefings of workload with Congressional staff (March and June)
 - Next brief is tentatively late August/early September
- Workload posted to FEDBIZOPs
 - Release at least January, March, June, August to coincide with Industry Forums
- Regular industry forums provide dialog on workload strategy
 - Surface Navy Association (SNA), NSRIC, Mega Rust, FMMS





Surface Ships Currently in CNO Avails

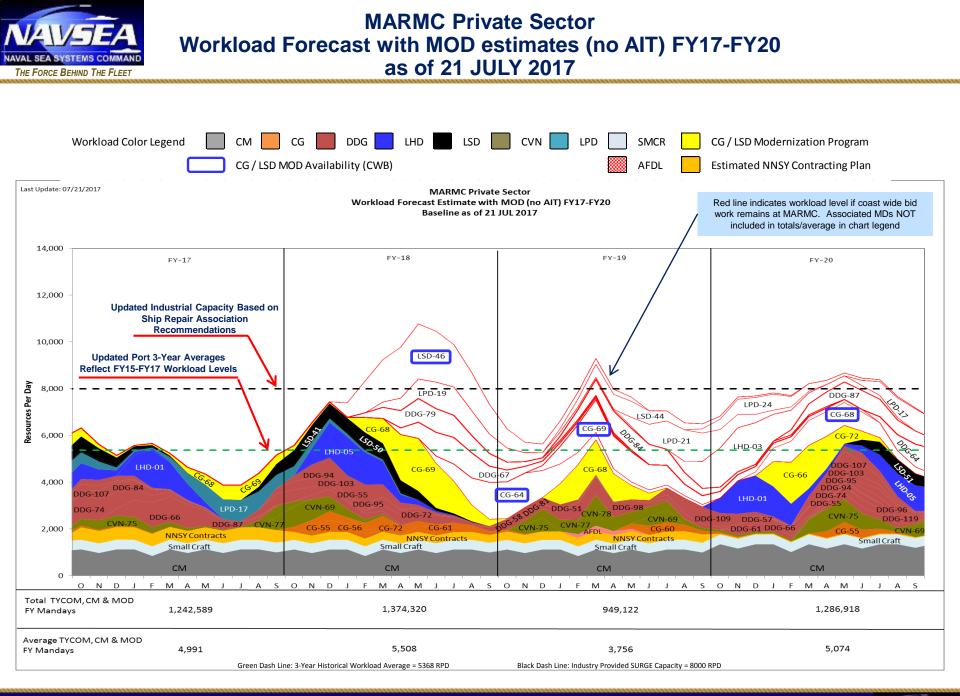


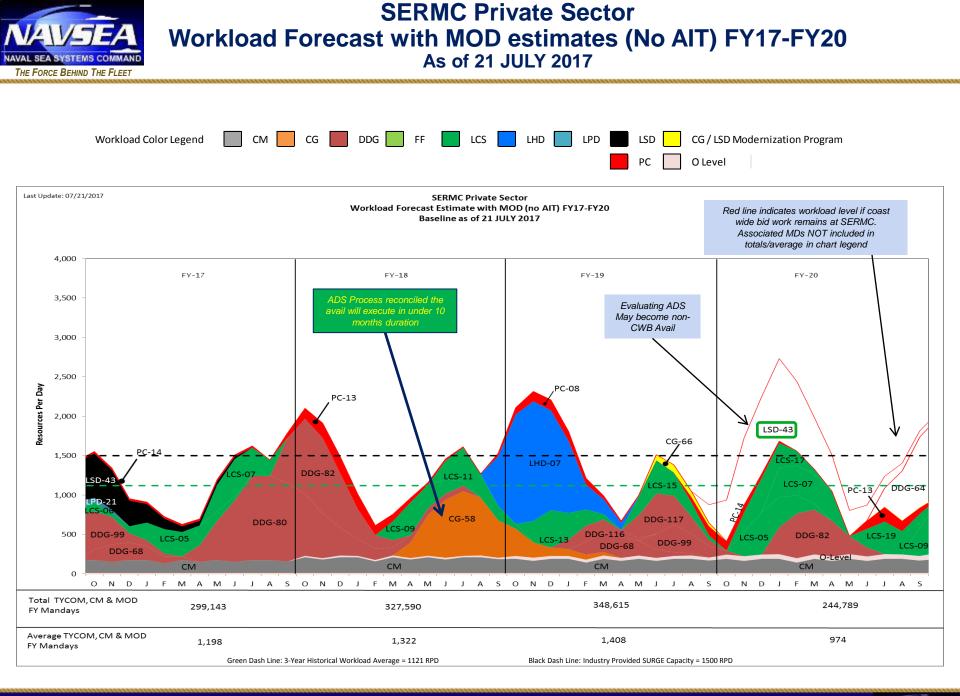
EXECUTING 26 SURFACE SHIP CNO AVAILABILITIES WORLDWIDE 100+ ships in Advance Planning / Planning Phase

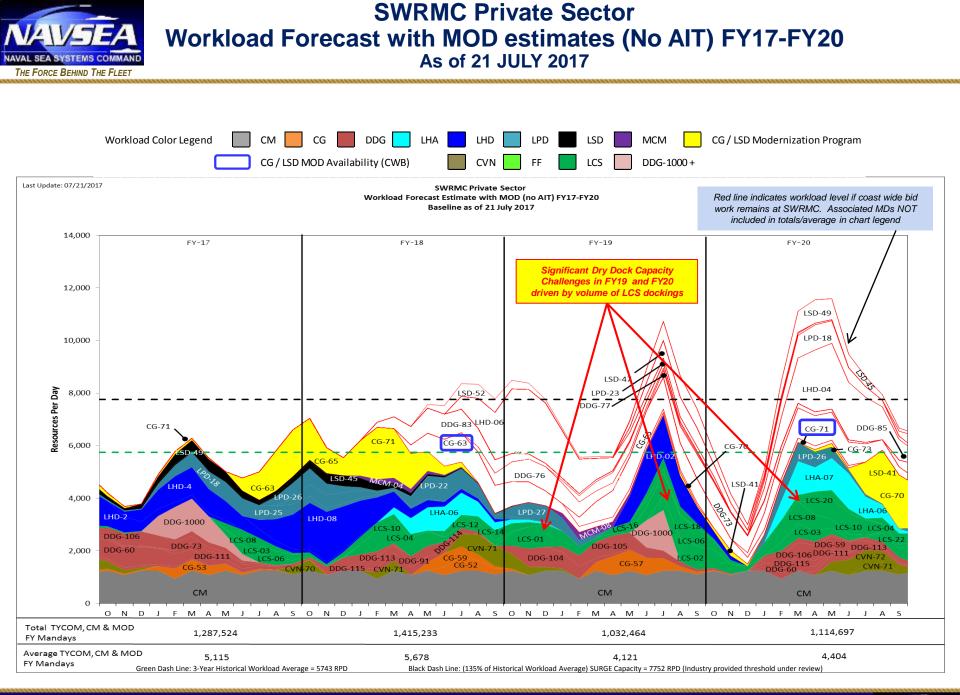
Black DashLine: Industry Provided SURGE Capacity~ 20,000 RPD

Green Dash Line: 3-Year Historical Workload Average ~ 13,400 RPD



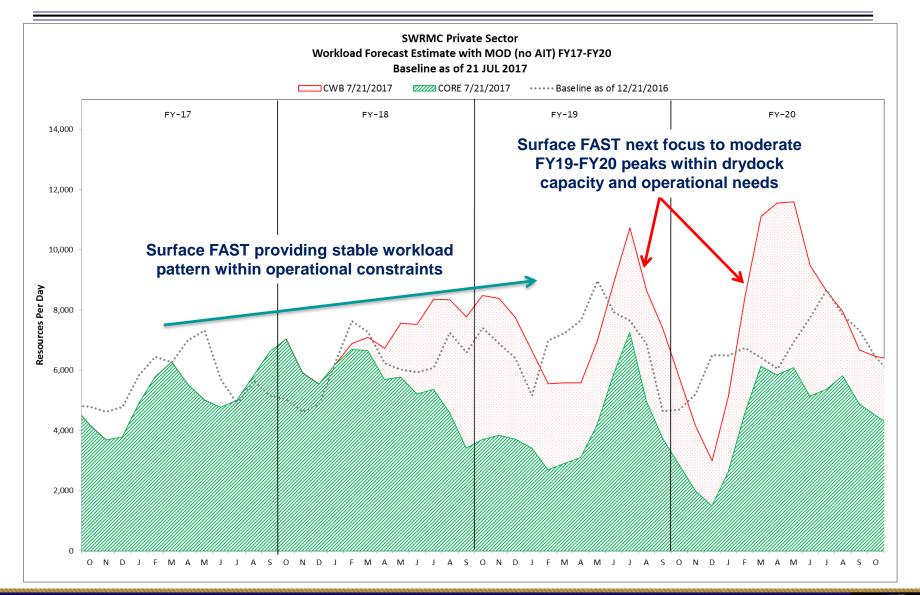






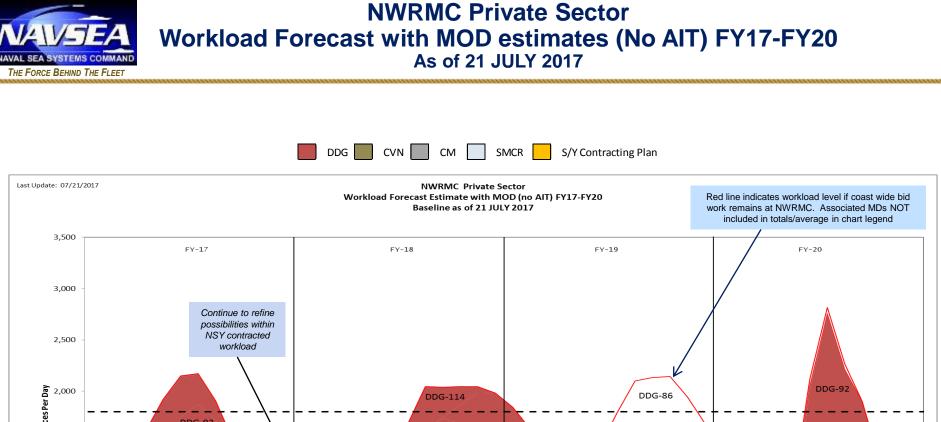


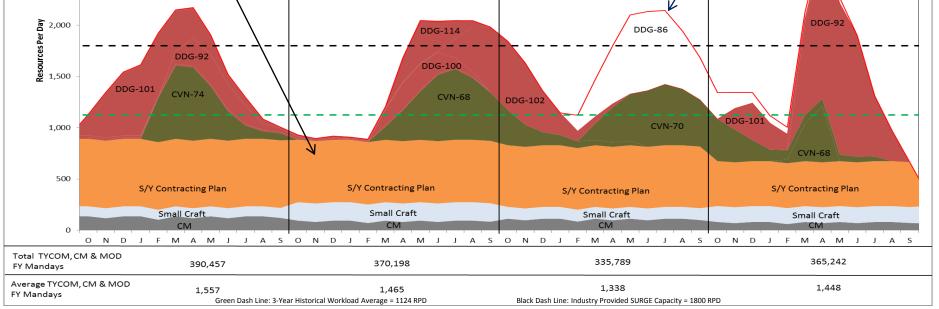
Example of Surface FAST Efforts





AVANZA





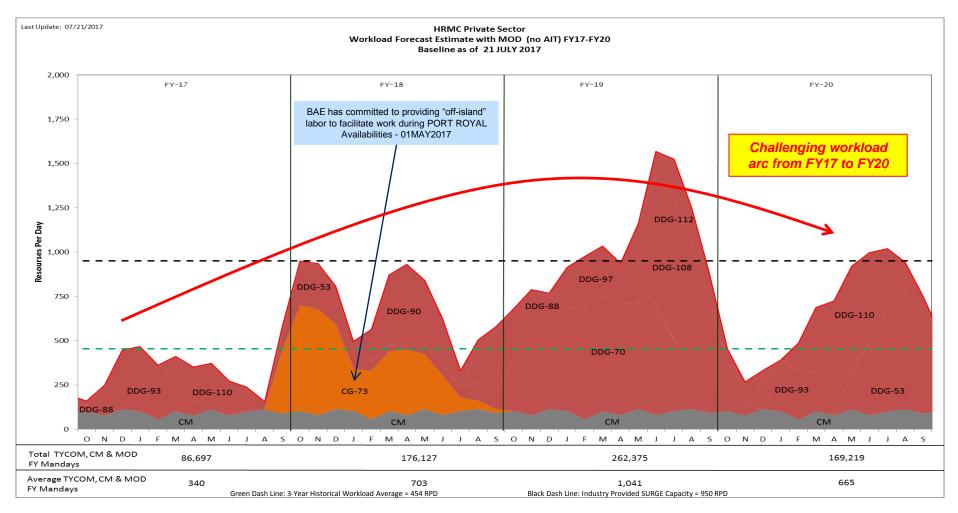
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Workload Color Legend





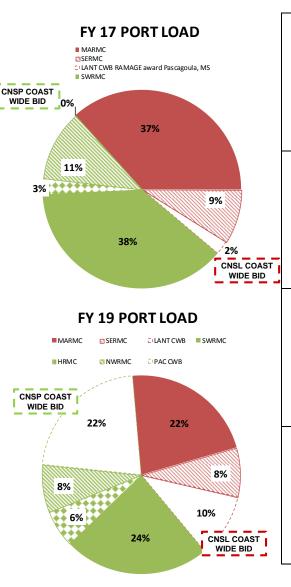


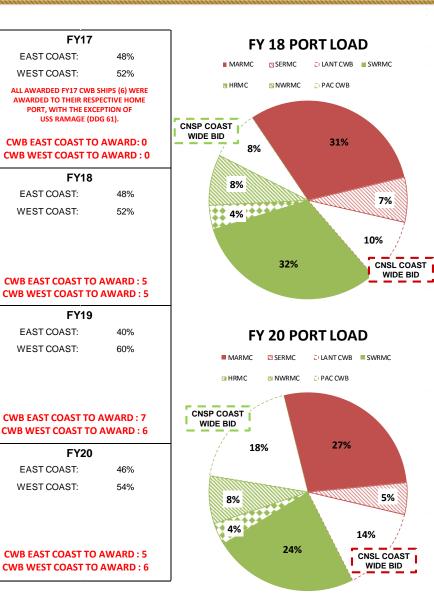


DMC

FY17 - FY20 Port Loading by Coast (PERCENT)

RMC	MAN-DAYs			
FY17 TO	TALS			
MARMC	1,242,589			
SERMC	299,143			
LANT CWB RAMAGE award Pascagoula, MS	76,282			
SWRMC	1,287,524			
HRMC	86,697			
NWRMC	390,457			
PAC CWB	0			
FY18 TO	TALS			
MARMC	1,374,320			
SERMC	327,590			
LANT CWB	450,429			
SWRMC	1,415,233			
HRMC	176,127			
NWRMC	370,198			
PAC CWB	362,264			
FY19 TO	TALS			
MARMC	949,122			
SERMC	348,615			
LANT CWB	447,932			
SWRMC	1,032,464			
HRMC	262,375			
NWRMC	335,789			
PAC CWB	949,641			
FY20 TO	TALS			
MARMC	1,286,918			
SERMC	244,789			
LANT CWB	652,873			
SWRMC	1,114,697			
HRMC	169,219			
NWRMC	365,242			
PAC CWB	870,109			

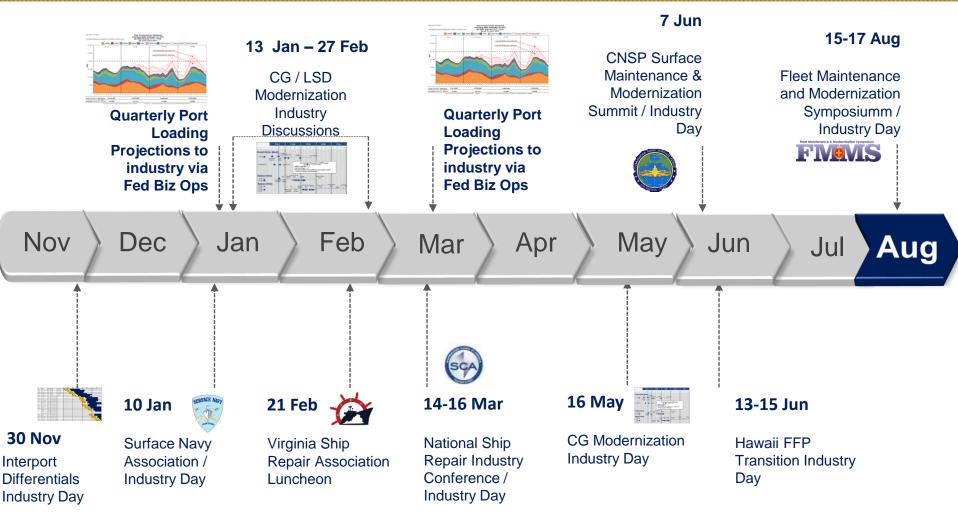




NAVETEA



Navy – Industry Engagements



Continued Engagement Critical Tenant to Success





- Priority 1: On-time, on-budget delivery
- Focused on accurate workload forecasts
- Transparent process with Industry through continued dialogue and release of quarterly workload curves
- Executing Fixed Priced Availabilities
 - Executing Coast Wide Bid strategy for avails > 10M
- "Performance to Plan"
 - Managing change and adhering to schedules
 - Risk Management discipline





CNSF Maintenance & Modernization Summit Overview

DESIGN, BUILD, DELIVER AND MAINTAIN SHIPS AND SYSTEMS ON TIME AND ON COST FOR THE UNITED STATES NAVY



Mr. Dave Hulse





Background

- Third Maintenance & Modernization Summit hosted by VADM Rowden
 - NOV 2014, FEB 2016, and JUN 2017
 - Focus and format has evolved over the three events
- Chartered under Surface Team-One
- Opportunity for senior maintenance community stakeholders to assess our performance and agree on the actions needed to drive improvement.
 - Type Commanders: VADM Rowden; RADM Piercey
 - NAVSEA: VADM Moore, RADM Galinis, RADM Neagley, RDML Downey
 - Fleet: RADM Whitney, RDML Williamson
 - OPNAV: MajGen Owens
 - NAVSUP: Mr. Bill Bikert
 - Industry Leadership



NUME

26 NAVERA NAVAL SEA SYSTEMS COMMAND THE FORCE BEHIND THE FLEET

Agenda Overview

Day One: NAVSEA #1 Priority – On Time Delivery

- Surface Requirements / Planning
 - Availability Duration, Scorecards
 - Industrial Capacity/ Dry-dock Availability Issues
- Surface Contracting
 - Firm Fixed Price Implementation & Performance
 - Coast Wide Bid Lessons Learned/ Barriers
- Surface Execution
 - Risk Management
 - Controlling Growth, RCC Cycle Time, Speed of Technical Decisions

Day Two: Industry Day and Current Readiness

- Industry Collaboration
- Current Readiness
 - CSMP
 - CMAV/Emergent Work Processes

Day Three: TYCOM Focus Areas & LCS

- Readiness Indicators
- LCS
 - Maintenance Execution Metrics and Process Compliance; CONUS vs OCONUS
 - Modernization



Selected Actions

- Coast-Wide Bid
 - Evaluate Options related to the threshold for coast-wide solicitation (shorter vs longer) and codify process for solicitation if over/under legal threshold (10 Months)
- Dry Dock Capacity
 - Conduct Comprehensive Assessment of Navy-Wide Dry-Dock Demands
 - Evaluate engineering/logistic opportunities to create virtual dry-dock capacity
 - Initiate studies of NAVBASE San Diego graving dock and ability to restore floating dock at MOLE pier

Availability Execution

- Review options for improving speed of change to include potential increase in local deck-plate authority
- Evaluate deck-plate QA surveillance trends
- Conduct systematic NAVSEA Standard Item Review



Selected Actions

PACNORWEST

 Review Opportunities for private industry to support conventional work on subs and carriers and applications to other regions.

Contracting/Funding

- Reevaluate upward obligations funding thresholds; recommend revised thresholds/process improvements.
- Review industry input concerning proposed contracting milestone changes that scale bid cycle duration and contract award to contract value.
- Evaluate shifting AIT contracts from Cost Plus to FFP
- Evaluate contracting/procedural options (ie. Split CLIN) for minimizing delays due to funding instability due to CRs and FY changes.





Questions?







Contracting Update

DESIGN, BUILD, DELIVER AND MAINTAIN SHIPS AND SYSTEMS ON TIME AND ON COST FOR THE UNITED STATES NAVY



CDR Tommy Neville





Coast Wide Competitions – Overview

(CNO Avails > 10 Months) Time Now

					FY16	FY17	FY18 FY19
Hull	Name	Туре	Status	Contractor	ONDJFMAMJJA	SONDJFMAMJJ	A SO N D J F M A M J J A SO N D J F M A M J J A
DDG 74	MCFAUL	EDSRA	Awarded	BAE Norfolk			
DDG 60	PAUL HAMILTON	EDSRA	Awarded	BAE San Diego			
DDG 61	RAMAGE	ESRA	Awarded	HII Pascagoula			
DDG 66	GONZALEZ	EDSRA	Awarded	NASSCO Norfolk			
LPD 18	NEW ORLEANS	DSRA1	Awarded	BAE San Diego			
LPD 17	SAN ANTONIO	DPMA	Awarded	BAE Norfolk			
DDG 80	ROOSEVELT	DMP	Awarded	BAE Mayport			
LHD 8	MAKIN ISLAND	DPMA1	Awarded	NASSCO San Diego			
LSD 46	TORTUGA	MODPRD	Source Selection	TBD			
LPD 19	MESA VERDE	DPMA	Source Selection	TBD			
DDG 83	HOWARD	DMP	Source Selection	TBD			
DDG 79	OSCAR AUSTIN	DMP	Source Selection	TBD			
CG 63 & 64	COWPENS	MODPRD	Acquisition Blonning	TBD			
CG 03 & 04	GETTYSBURG	MODPRD	Acquisition Planning	TBD		RFP release	
DDG 67	COLE	EDSRA	Acquisition Planning	TBD			
LSD 52	PEARL HARBOR	SRA3-1	Acquisition Planning	TBD		Source Selection	
LHD 6	B. RICHARD	DPMA3	Acquisition Planning	TBD		Award	
DDG 76	HIGGINS	EDSRA	Acquisition Planning	TBD		Avail Execution	
	VICKSBURG	MODPRD		TBD			
CG 69, 65,	CHOSIN	MODPRD	Acquisition Blonning	TBD			
68, & 71	ANZIO	MODPRD	Acquisition Planning	TBD			
	CAPE ST. GEORGE	MODPRD		TBD			
LSD 44	GUNSTON HALL	DSRA3	Acquisition Planning	TBD			
DDG 84	BULKELEY	DMP	Acquisition Planning	TBD			
DDG 77	O'KANE	ESRA	Acquisition Planning	TBD			
DDG 86	SHOUP	DMP	Acquisition Planning	TBD			
LSD 47	RUSHMORE	DSRA3	Acquisition Planning	TBD			
LPD 21	NEW YORK	DPMA	Acquisition Planning	TBD			
LPD 23	ANCHORAGE	SRA1-2	Acquisition Planning	TBD			
DDG 73	DECATUR	EDSRA	Acquisition Planning	TBD			
LHD 3	KEARSARGE	DPMA3	Acquisition Planning	TBD			
LSD 43	FORT MCHENRY	DSRA3	Acquisition Planning	TBD			
LPD 24	ARLINGTON	SRA1-2	Acquisition Planning	TBD			
					2 Availabilities	6 Availabilities	10 Availabilities 15 Availabilities





MAC-IDIQs & Delivery Order Competitions

(CNO Availabilities < 10 Months) Time Now

Norfolk Complex MAC – Awarded May 2015 [BAE, NASSCO, MHI] FY16 FY17 FY18									
				Contractor			A S O N D J F M A M J J A S		
DDG 107	GRAVELY								
	BULKELEY	SRA1-2	Awarded	MHI					
DDG 84	VICKSBURG	SRA2-2	Awarded	NASSCO					
CG 69		SSRA1	Awarded	BAE					
DDG 87	MASON WHIDBEY ISLAND	SRA2-2	Awarded	MHI					
LSD 41	-	PMA3-3	Awarded	MHI					
DDG 94	NITZE	SRA2-1	Awarded	MHI					
DDG 103	TRUXTUN	DSRA1	Awarded	NASSCO					
CG 56	SAN JACINTO	SRA4-1	Source Selection	TBD					
CG 55	LEYTE GULF	SRA4-1	Source Selection	TBD					
LHD 5	BATAAN	PMA	Source Selection	TBD					
DDG 55	STOUT	SRA	Source Selection	TBD					
LSD 50	CARTER HALL	PMA3-2	Planning	TBD					
					FY16	FY17	FY18		
San Diego	Complex MAC - Awa	rded Dec 20	15 [BAE, NASSCO	, CMSD]	AMJJAS	ONDJFMAMJJ	A S O N D J F M A M J J A S		
DDG 106	STOCKDALE	DSRA1	Awarded	NASSCO					
CG 53	MOBILE BAY	SRA3-2	Awarded	CMSD					
DDG 73	DECATUR	SRA1-2	Awarded	BAE					
DDG 111	SPRUANCE	SRA2-1	Awarded	NASSCO					
CG 63	COWPENS	SSRA2	Awarded	NASSCO	RFP release				
CG 65	CHOSIN	SSRA1	Awarded	CMSD	Source Selection				
LPD 25	SOMERSET	SRA1-1	Awarded	NASSCO	Award				
CG 71	CAPE ST. GEORGE	SSRA1	Source Selection	TBD	Avail Execution				
DDG 91	PINCKNEY	SRA2-1	Planning	TBD					
	·			-					
Mayport N	AC – Awarded Nov 2	016 [BAE, N	ASSCO, Colonna,	East	FY16	FY17	FY18		
Coast Repair, Tecnico, North Florida]				AMJJAS	O N D J F M A M J J	A S O N D J F M A M J J A S			
DDG 82	LASSEN	DSRA	Awarded	BAE					
CG 58	PHILIPPINE SEA	DSRA	Planning	TBD					
LHD 7	IWO JIMA	PMA2-2	Planning	TBD					
DDG 68	THE SULLIVANS	SRA3-2	Planning	TBD					
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MAC Contract Strategy - Status

Geographical Area	Туре	Planned Award (Est.)	Notes:
Norfolk	Complex	Awarded (5/2015)	
Norfolk	Non-Complex	~ 8/2017	Small Business Set-Aside
San Diego	Complex	Awarded (12/2015)	
San Diego	Non-Complex	Awarded (5/2017)	Small Business Set-Aside
Mayport	Complex	Awarded (11/2016)	
Mayport	Non-Complex	Awarded (11/2016)	
PACNW	Complex	~ 12/2017	
PACNW	Non-Complex	~ 12/2017	Small Business Set-Aside
Hawaii	Complex	~ 6/2018	Industry days held. Acquisition Plan in development.
Hawaii	Non-Complex	~ 6/2018	Industry days held. Acquisition Plan in development.
Coast/Nationwide	Complex	~7/2018	Avails over 10 months are currently executed as "stand-alones."

Three types of MAC contracts: Complex; Non-Complex; Coast/Nationwide





Monetary Incentive Pilot

- Incentivizes early completion of milestones and delivery

USS EXAMPLE SHIP 1

		Incentive								Example
		Value/Day	Incentive	Turnover 1	Turnover 2	Turnover 3	Turnover 4	Turnover 5	PCD Days	1
Step	Step Description	(Max 7 days)	Cap	Days Early	Early	Earned				
	Smallest value early across all									
Step 1	milestones *	\$100,000	\$700,000	2	1	9	3	7	5	\$100,000
Step 2A	Only on Milestone 2 **	\$75,000	\$525,000	N/A	1	N/A	N/A	N/A	N/A	\$75,000
Step 2B	Only on Milestone 3 **	\$100,000	\$700,000	N/A	N/A	9	N/A	N/A	N/A	\$700,000
* All must be early to be eligible under Step 1			\$1,925,000							\$875,000

** Independent of other steps / milestones

USS EXAMPLE SHIP 2

	Incentive									Actual Incentive
	Value/Day	Incentive	Turnover 1	Turnover 2	Turnover 3	Turnover 4	Turnover 5	Turnover 6	Turnover 7	Earned
Incentive Description	(Max 5 days)	Cap	Days Early	(as of 5/9/17)						
Only on Milestone 1 *	\$30,000	\$150,000	5	N/A	N/A	N/A	N/A	N/A	N/A	\$150,000
Only on Milestone 2 *	\$30,000	\$150,000	N/A	5	N/A	N/A	N/A	N/A	N/A	\$150,000
Only on Milestone 3 *	\$30,000	\$150,000	N/A	N/A	4	N/A	N/A	N/A	N/A	\$120,000
Only on Milestone 4 *	\$30,000	\$150,000	N/A	N/A	N/A	5	N/A	N/A	N/A	\$150,000
Only on Milestone 5 *	\$30,000	\$150,000	N/A	N/A	N/A	N/A	5	N/A	N/A	\$150,000
Only on Milestone 6 *	\$30,000	\$150,000	N/A	N/A	N/A	N/A	N/A	3	N/A	\$90,000
Only on Milestone 7 *	\$20,000	\$100,000	N/A	N/A	N/A	N/A	N/A	N/A	2	\$60,000
*Independent of other milestones		\$1,000,000								\$870,000

N/AWATA



- Quality Assurance Surveillance Plan (QASP)
 - Assures deliverables are timely, adequate, and complete.
 - Assures performance is meeting contract requirements.
 - Deliverable/Assessment areas:
 - 1. Schedule and Associated Reports per NAVSEA Standard Item (NSI) 009-60
 - 2. Milestones for Certain Reports per Contract Section C paragraph 3.4
 - 3. Method C & D Corrective Action Reports (CARs)
 - 4. Accuracy of Condition Found Reports (CFRs)
 - 5. Change Order Price Analysis (COPA) submission to Government

6. Integrated Logistics Support (ILS) & Provisioning Technical Data (PTD) Documentation





Liquidated Damages (LDs)

- Application:
 - Applies to interim milestones and contract delivery date
- Calculation:
 - Calculated prior to RFP release based on anticipated damages (harm) to the Government.
 - Placed in contract at specific amounts per day, per milestone.
- Importance:
 - LDs ensure shipyard contract milestones are met so Government has time to complete testing to meet the scheduled end of availability date after contractor delivers the vessel.





VJEA LCS Maintenance Execution Strategy

NAVAL SEA SYSTEMS COMMAND

DESIGN, BUILD, DELIVER AND MAINTAIN SHIPS AND SYSTEMS ON TIME AND ON COST FOR THE UNITED STATES NAVY



Ms. Robin Coady CAPT Juan Orozco CDR Joe Saegert



LCS Maintenance Execution Strategy

Littoral Combat Ship

Aleet Introduction and Sustainment August 2017





- The LCS maintenance model is different. It accomplishes the same maintenance as a traditional ship while accommodating a minimummanned crew
- The LCS maintenance model is a vital part of LCS Wholeness, which gives high deployability at low cost
 - 50% of LCS deployed at all times vs 20% for DDG/CG
 - 16 month deployments improve operational continuity
- LCS is integrated into Fleet's Surface and Expeditionary Warfare Maintenance Management Committee (SEWMMC) process





- Execute maintenance requirements with off-ship organizations. Similar strategies have been tried before with the FFG-7, PC-1, and PHM-1 class ships
- Maintenance Planning: conducted by the Material Support Team. Members include:
 - LCSRON

- Ship's Force
- TYCOM (Port Engineer)
 Regional Maintenance Center
- PMS Admin: PMS Deck is managed by LCSRON and is uploaded to the ships week-to-week through a synchronized database
- Maintenance Execution: some scheduled maintenance (PMS and corrective) is accomplished by contractors during scheduled time inport:
 - Tasks requiring tools, HAZMAT, or skills not present on the ship/crew
 - Low-skill tasks that are too labor-intensive for the crew to accomplish

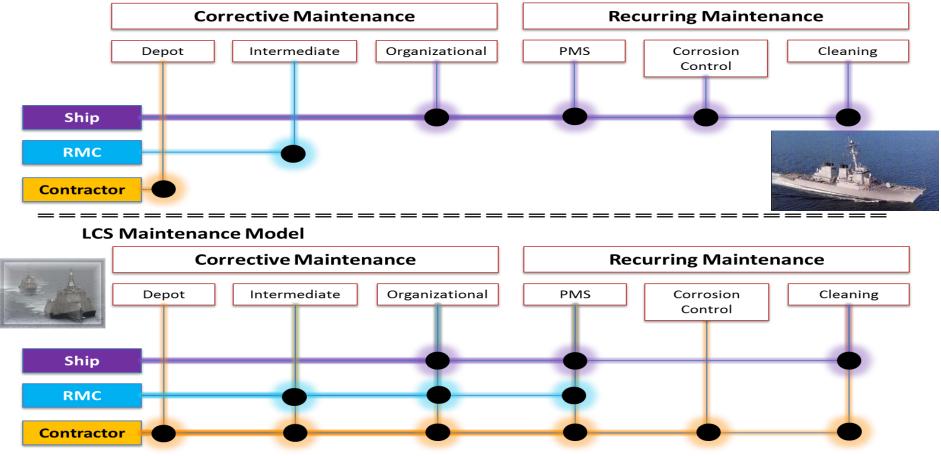
LCS minimum-manning requires planning, admin and some maintenance to be done by off-ship organizations



Maintenance Comparison



Traditional Fleet Maintenance



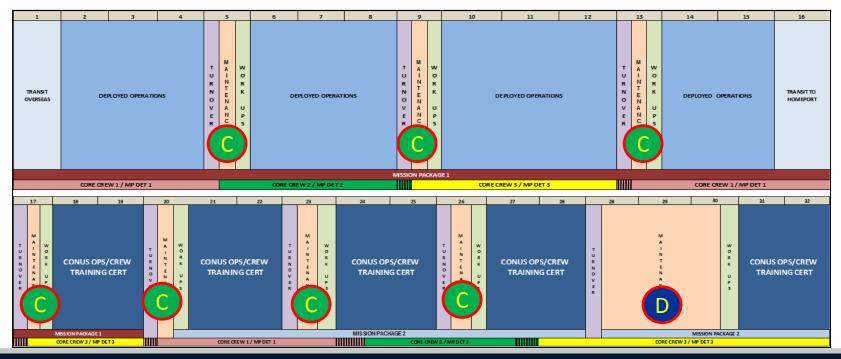
All the same maintenance gets accomplished



Maintenance Cycle



- Continuous Maintenance Availability (CMAV): CM periods (with concurrent PMAVs) are scheduled once every four months, whether deployed or CONUS, and are accomplished by RMC and U.S. contractor teams. A CMAV is normally executed during each core crew turnover
- DSRA / SRA(d): scheduled around dock availability and deployment requirements, once every ~32 months
- Preventative Maintenance Availability (PMAV): PM periods are scheduled every 4-6 weeks and accomplished by RMC and U.S. contractor teams (not shown below due to scale)
- Windows of Opportunity: work can be scheduled to take advantage of any planned inport periods.







- The Surface and Expeditionary Warfare Maintenance and Modernization Committee (SEWMMC) consists of
 - TYCOMS
 - SPAWAR

- NAVSEA - PACFLT

– US Fleet Forces

- OPNAV N96
- The SEWMMC meets semi-annually to
 - Assess force maintenance requirements
 - Prioritize maintenance inputs for the POM
 - Document the fleet maintenance investment strategy in the Surface and Expeditionary Warfare Maintenance and Modernization Plan (SEWMMP)
 - Establish Action Groups to provide address specific maintenance topics
 - Review and incorporate Surface TYCOM Advisory Requirements (STAR) Board recommendations into the SEWMMP as appropriate





- A-120: LCSRON 1 submits WP to SWRMC
- A-90: SWRMC provides WP to NASSCO
- A-50: Prime reconciles WP in Maximo
- A-30: 100% Lock & Stakeholders Meeting
- A-7: Prime Submit Arrival Report
- A-0: Execute PMAV
- C+7: Hold Out Brief

Characteristics

- Duration: 5 days
- Scope: 200-1000 work items
- Periodicity: Monthly

 MSMO Contract moving to MAC-IDIQ in FY18

 PMAV milestones are not mandated by the JFMM; they are determined locally





- A-154: 100% checks locked
- A-105: Solicit bids
- A-75: Submit bids
- A-63: Award Delivery Order
- A-0: Execute PMAV
- C+2: KTR Report Maintenance Completion

Characteristics

- Duration: 5 days
- Scope: Data pending
- Periodicity: Monthly

- MAC-IDIQ Contract
- PMAV milestones are not mandated by the JFMM; they are determined locally





- Planning and Scheduling
 - Duplicative work orders issued
 - At-sea checks cannot be accomplished in-port
 - "R checks'" (situational requirements) runtime not yet met and unknown at order issue
- Conflicting Maintenance
 - Corrective repair taking priority
 - Too much maintenance ongoing in area of PMS check
 - Tag Out
- Material
 - Parts not on hand
 - EDD after PMAV end date





- A-60: 100% lock
- A-50: 100% Price and Estimate
- A-45: Publish Package
- A-35: Cost Proposal
- A-18: Definitized
- A-0: Execute CMAV
- C+7: Hold Out Brief

Characteristics

- Duration: Average 14 days
- Scope: Average 40-80 work items
- Periodicity: Every 4 Months





- A-90: 100% D-level WP lock
- A-90: FedBizOpps to Contracts
- A-70: Solicit Bids
- A-40: Submit Bids
- A-15: Award Contract/WP/schedule to KTR
- A-10: Conduct WP Execution Review
- A-0: Execute CMAV

Characteristics

- Duration: Average 14 days
- Scope: Average 40-80 work items
- Periodicity: Every 4 Months





- Assess PMAV planning process via PMS analysis
 - Review planning milestones
 - De-conflicting maintenance during original PMS scheduling
 - Schedule early to ensure material is available
- Continue to ensure C+7 milestone is effective
 - Primary source of accomplishment data and details
- CMAV planning milestones may require review
 - Lead time to procure material following definitization/award
- Need more stability in LCS Port Engineer assignments
 - Grow LCS maintenance and repair expertise
 - Contributes to improved planning
 - Develop hull material history expertise





- SEC West (April 2015 April 2018)
 - Provides LCS Class repair, maintenance, and modernization execution CONUS and OCONUS for ships homeported and visiting San Diego, CA
 - Includes Preventative Maintenance and Facility Maintenance/Corrosion Control
 - Multi-Ship Multi Option (MSMO) type with some Firm Fixed Priced CLINs
 - Follow-on SEC West is a Multiple Award Contract Indefinite Delivery Indefinite Quantity (MAC-IDIQ) like SEC East
- SEC East (August 2016 August 2021)
 - Provides LCS Class repair, maintenance, and modernization execution CONUS and OCONUS for ships homeported in Mayport, FL
 - MAC I (All type of work CONUS/OCONUS) & MAC II (PM and FM/CC CONUS only)
- Planning Yard (August 2014 August 2019)
 - Provides SID development, SCD maturation, and orders Long Lead Time Material
 - Execution Planning FY18/19
- Execution Planning provides work package development for Continuous Maintenance (CM) execution and CNO Availability execution and orders Long Lead Time Material







- LCS maintenance is programmed as part of the SEWMMC process, just like any other ship
 - Previous maintenance planning and budgeting for LCS (N4 BAM) based on FFG-7 class historical data
 - Moving forward from POM-17 into POM-18, actual LCS data from testing and deployments have informed ship sheets, SCDs, etc, and will influence the maintenance planning models
- LCS maintenance is executed differently due to manning constraints; more is done by shore based organizations and contractors



Special Project Overview

DESIGN, BUILD, DELIVER AND MAINTAIN SHIPS AND SYSTEMS ON TIME AND ON COST FOR THE UNITED STATES NAVY



Mr. Jeff Brooks





- Analysis of ship maintenance and modernization policies, processes, practices, performance, and management which have a direct impact on successful re-delivery of ships from maintenance availabilities
- Includes all aspects of the maintenance cycle to include work identification, planning, work execution, oversight, certification, and availability completion
- Focused analysis of both Navy and Industry roles and responsibilities throughout the maintenance cycle

Remove Barriers to On-Time Delivery from CNO Availabilities





- Acquisition and Contract Strategies
- Contract management and governance
- Ship maintenance policies and processes
- Work identification, requirements, and planning
- Workload forecasting and labor resourcing
- Scheduling, workflow, and production management
- Cumbersome and Non-Value added requirements
- Private sector shipyard management
- Project management
- Industrial base management
- Joint Risk management culture
- Navy-Industry relationships

Process Discipline and Performance Accountability



DELIVERABLES

- Prioritized, time phased list of data driven actionable items to remove barriers to throughput and on-time maintenance
- Where policy and process gaps exist, recommendations will be made to revise, replace, or delete existing policies and processes
- Where performance related gaps exist, recommendations will be made to improve execution performance at both the organizational and individual level
- Recommendations will include proposed action codes or activity, including both Navy and Industry as appropriate



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PLAN of ACTION

- VADM Moore project announcement
- Establish baseline interview list for Navy and Industry
- Establish interview question bank
- Request documentation and data from process owners
- Establish retired flag officer and industry CEO review boards
- Conduct interviews
- Review policy and process documents
- Review data, material readiness metrics, and trends presented at June 2017 surface maintenance summit
- Document interview results
- Validate all information
- Establish barrier removal priorities
- Round 2 of interviews (as required)
- Convene Flag/CEO review boards
- Brief preliminary findings/recommendations to Flag leadership
- Provide final report to VADM Moore





- Contract and Engineering Change Management Fast Tracking Opportunities
- Relaxing Technical Requirements and Oversight Calculated and Acceptable Risk
- Schedule Management and Assessing the Impact of Change to On-Time Delivery and Throughput
- Contracts Governance Shared Navy/Industry Risk What is the right model?
- Industrial Base Health, Viability, and Responsiveness
- Workload Forecasting, Stability, and Predictability
- Navy-Industry Partnership and Relationships





PROPOSED NEAR TERM PILOTS

- Change Management (Reduce Cycle Time)
 - 3 ship pilot (one each in SW, SE, and MA)
 - Delegated contract authority to the Project Manager for small contract changes up to \$25K
 - Establishment of Engineering trouble desk for each ship
 - Project Support Engineer (PSE) with delegated technical authority for all minor technical issues
- Relaxing Technical Requirements/Oversight
 - Pilot specifics will focus on non-critical systems
 - Calculated and acceptable risk in Oversight, Standard items, Checkpoints, OQE, and Work Certification based on contractor certifications
 - Focus on reduction in minimal value added requirements and burdensome administrative requirements





NAVSEA Standard Item (NSI) Review

DESIGN, BUILD, DELIVER AND MAINTAIN SHIPS AND SYSTEMS ON TIME AND ON COST FOR THE UNITED STATES NAVY



Mr. Dale Hirschman Mr. Bill Crow





- Industry/Navy review of NAVSEA Standard Items (NSI):
 - Industry developed NSI review process; provided POA&M to Navy.
 - Draft POA&M received 7/6/17 POA&M discussed & approved 7/28/17
 - Industry established & assembled NSI Steering Committee to identify industry priorities, mission, and methodology.
 - Completed 8/11/17
 - Mission Statement: "The mission of the NAVSEA Standard Items Review Industry Subject-Matter-Expert Working Group is to evaluate each Standard Item and provide the government documented feedback with recommendations on how they can be improved by removing non-value added and redundant requirements to enhance on-time delivery."
 - Standard checklist & revised SSRAC form used for review





- Steering Committee identified 4 NSI for fast-track review as pilot to validate review procedures: 009-093, 010, 081, 120
- Pilot NSI Review Process & Completion Dates:
 - Industry Steering Committee conducts fast-track review and recommends fact-based changes to validate review & implementation procedures
 - ECD: 9/22/17
 - SCA, Local SRAs & Industry Leaders conduct fast-track review of Steering Committee recommendations
 - ECD: 10/6/17
 - Navy (SEA-21, CNRMC, RMCs) conduct fast-track review of Industry recommendations and provide feedback to validate process
 - ECD: 10/20/17
 - Industry & Navy conduct conferencing for discussion of unresolved recommendations

NUMER

• ECD: 11/3/17



SSRAC Way-Ahead Full Industry NSI Review

- Industry Steering Committee determined grouping of NSI for review and is identifying industry Subject Matter Expert Working Groups (SME WG)
 - ECD: 8/18/17
- SME WG meet to review all NSI & recommend specific, fact-based changes; will ensure all local SI are identified, reviewed, and included for recommendation.
 - ECD: 11/3/17
- Navy conduct review of change proposals to provide initial response to Industry NSI recommendations.
 - ECD: 2/26/18
- Nay & Industry provide review process status update and to-date accomplishments at NSRIC.
 - ECD: March 2018 (Exact NSRIC dates TBD)
- Complete Industry/Navy meetings for discussion of any unresolved NSI recommendations.
 - ECD: 4/30/18
- Presentation of NSI change results during MegaRust.
 - ECD: June 2018



Back up Slides

DESIGN, BUILD, DELIVER AND MAINTAIN SHIPS AND SYSTEMS ON TIME AND ON COST FOR THE UNITED STATES NAVY



Mr. Dale Hirschman Mr. Bill Crow





SSRAC Background

- The Standard Specification for Ship Repair and Alteration Committee (SSRAC) was established in 1970 to carry out the development, revision, and control of standard specifications for non-nuclear surface ships. In accordance with NAVSEAINST 9070.1 (Series), the purpose of the program evolved to include naval ships and craft including nuclear-powered ships and submarines when work is to be performed by Non-Nuclear capable, Non-NAVSEA Note 5000 private shipyards, contractors, or Alteration Installation Teams. This program ensures that appropriate contract language is used in transmitting technical, quality, and environmental/safety requirements to the contractor or AIT.
- The SSRAC is responsible for updating and maintaining the NAVSEA Standard Items (NSI) and Appendix 4-E of Volume VII, Chapter 4, Joint Fleet Maintenance Manual (JFMM). Standard Items are items that establish uniform methods and standards for routine requirements normally invoked in ship repair Work Items.
- The SSRAC typically meets on an annual basis in July to consider changes to the NSI and 4-E; change proposals must be submitted no later than 60 days before the SSRAC meeting for consideration. Representation on the Committee includes Navy activities involved principally in ship repair and modernization, NAVSEA, Surface Force Type Commanders, Regional Maintenance Centers (RMC), Naval Shipyards, and representatives of various private industry ship repair associations.





Industry NSI Review POA&M

START DATE	NLT COMPLETE DATE	ACTUAL COMPLETE DATE	RESPONSIBLE PARTY	ACTION ITEM DESCRIPTION
7/6/17	7/6/17	7/6/17	VSRA Staff	Discuss and receive input for POAM concept with industry experts
7/6/17	7/6/17	7/6/17	Bill Crow, SCA	Provide draft POAM Overview to SCA & Industry Leaders for approval
7/12/17	7/14/17	7/14/17	Bill Crow, VSRA	Provide overview & obtain VSRA Board of Directors & local SRA's POAM approval; Provide POAM to CNRMC & commence assembly of NSI Working Group Committee(s)
6/27/17	7/14/17	7/14/17	Dale Hirschman, CNRMC	Navy provides strawman priority list of recommended NSI for review
8/4/17	8/11/17	8/11/17	Industry Steering Committee	Industry Steering Committee reviews Navy strawman priority list to define industry priorities. Steering Committee meets to define mission and identify methodology, precise schedule, and comprehensive checklist of all NSI. Steering Committee identifies 4 NSI for fast-track review as pilot to validate review procedures.
8/14/17	8/18/17		Industry Steering Committee	Steering Committee determines grouping of NSI for review. Based on groupings, Steering Committee will identify industry Subject Matter Expert Working Groups, which will meet and review NSI to recommend fact-based changes. Ensure all local Standard Items are identified , reviewed , and included for recommendation.
8/21/17	8/31/17		Industry SME WGs	Identified Industry SME WGs hold information session and meet, are briefed on mission and methodology to begin review of NSI to recommend fact-based changes.
9/5/17	9/22/17		Industry Steering Committee	<i>FAST-TRACK:</i> Conduct fast-track review of the 4 NSI identified for pilot (009-093, 010, 081, 120) to validate review & implementation procedures.
9/5/17	11/3/17		Industry SME WGs	Identified SME WGs conduct initial review of ALL NSI to recommend fact-based changes using identified standard methodology and form.
9/25/17	1 0/6 /17		SCA, SRAs & Industry Leaders	<i>FAST-TRACK:</i> Conduct fast-track review of Industry Steering Committee recommendations regarding NSI identified for pilot (009-093,009-010, 009-081, 009-120).
10/9/17	1 0/20/ 17		SEA-21, CNRMC & RMCs	<i>FAST-TRACK:</i> Conduct fast-track review of Industry recommendations regarding NSI identified for pilot (009-093,009-010, 009-081, 009-120).
10/23/17	11/3/17		CNRMC, SCA & Steering Committee	FAST-TRACK: Conduct Navy-Industry conferencing for discussion of unresolved recommendations regarding pilot NSI review (009-093,009-010, 009-081, 009-120).





Industry NSI Review POA&M

START DATE	NLT COMPLETE DATE	ACTUAL COMPLETE DATE	RESPONSIBLE PARTY	ACTION ITEM DESCRIPTION
11/3/17	11/5/17		Joe O'Conor, SCA	Reviews initial draft document of recommended NSI changes (including all edits and deletions), and provides to all SRA & Industry leaders for input (changes will be provided as they are completed).
11/5/17	12/20/17		Local SRA & Industry Leaders	Review & provide inputs regarding any additional industry priorities and concerns for SCA compilation. Ensure all local Standard Items are identified, reviewed, and included for recommendation.
12/20/17	1/8/18		Joe O'Conor, SCA	Review and compile finalized Industry-recommended fast-track pilot NSI changes.
1/8/18	1/8/18		Joe O'Conor, SCA	Provide NSI change recommendations to Navy for review.
1/8/18	2/26/18		SEA-21, CNRMC & RMCs	Review Industry-recommended NSI changes.
2/26/18	2/28/18		SEA-21, CNRMC & RMCs	Navy provide initial response to Industry NSI recommendations.
3/1/18	4/30/18		SEA-21, CNRMC, RMCs & SCA / SRAs	Establish and conduct Navy-Industry meetings for discussion of unresolved NSI recommendations (if needed).
NSRIC	NSRIC		CNRMC & SCA	Prepare & provide NSI review update status & accomplishments.
5/1/18	5/31/18		CNRMC & SCA	Schedule & complete Industry / CNRMC Commander's resolution meetings for unresolved NSI recommendations (if needed).
6/1/18	6/5/18		CNRMC & SCA	Industry / Navy final review and approval of NSI implemented changes.
6/5/18	6/6/18		CNRMC & SCA	SCA / CNRMC prepare presentation on changes for Navy-Industry Meeting during MegaRust.
6/7/18	6/9/18		CNRMC Staff	CNRMC staff and commander review & approve presentation for MegaRust of NSI changes.
June 2018	June 2018		CNRMC Staff/SCA	Presentation of results to Navy-Industry Leadership Meeting at the conclusion of MegaRust.







Meeting Wrap Up

DESIGN, BUILD, DELIVER AND MAINTAIN SHIPS AND SYSTEMS ON TIME AND ON COST FOR THE UNITED STATES NAVY



CDR Tommy Neville





Meeting Wrap Up

Overview of New Action Items Questions Set next Meeting Date



DESIGN, BUILD, DELIVER AND MAINTAIN SHIPS AND SYSTEMS ON TIME AND ON COST FOR THE UNITED STATES NAVY







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