

Surface Ship Readiness and Sustainment



CAPT Scott Larson

Major Program Manager

Surface Ship Readiness and Sustainment (PMS 443)



12 January 2022

PMS 443 Mission


Manage a comprehensive portfolio of programs providing surface ships with the highest level of operational readiness, and sustaining ships at peak capability through their service life

Increasing Focus on Life Cycle Sustainment

- PMS 443 is the lead for surface ship Life Cycle Sustainment
- Major initiatives include:
 - DON Gate 7 Sustainment Reviews IAW 10 U.S.C. §2441
 - Stand Up of Bridge Integration-Ship Control System (BI-SCS) Participating Acquisition Resource Manager (PARM)
 - DON Condition Based Maintenance Plus (CBM+) Operational Assessment Pilot

- **Purpose:** Assess the execution of product support strategy, performance, and O&S costs of the weapon system
- **Reference:** 10 U.S.C. §2441, and as updated by Section 1020 of FY22 NDAA
- **Applicability:** Required for all covered* programs
- **Timeline:** IOC + 5 years and every 5 years thereafter
- **Reporting:**
 - SR results shall be documented in a memorandum and provided to OSD within 30 days
 - Secretary shall submit annually to Congress the SRs required for that FY
 - Programs with critical cost growth shall include remediation plans

* covered = previous, present and future ACAT 1 & MTA programs that will become ACAT I, per 2337



THE ASSISTANT SECRETARY OF THE NAVY
Research, Development and Acquisition
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MEMORANDUM FOR DISTRIBUTION

Subj: SUSTAINMENT REVIEWS

Ref: (a) 10 USC 2441
(b) 10 USC 2337
(c) 10 USC 2337a
(d) Section 802 of FY2021 NDAA
(e) SNI 5000.2F

Encl: (1) Sustainment Review Plan
(2) Sustainment Review Requirements

1. The Department of Navy (DON) continues a sharp focus on improving the Life Cycle Sustainment of our weapon systems to deliver the readiness our Naval Forces require. This memo provides implementation guidance for Sustainment Reviews, Operations and Sustainment (O&S) Cost Estimates and Independent Logistics Assessments (ILA) for covered programs per references (a) through (c) and updated by reference (d).
2. Sustainment Reviews will be conducted as the Gate 7 in the DON's Two Pass, Seven Gate Review process per reference (e) as scheduled in enclosure (1). Prior to the review, programs will revalidate the Business Case Analysis and Product Support Strategy and support an Independent Cost Estimate (ICE) of the remaining O&S costs for the system. Updated Life Cycle Sustainment Plans will be submitted for approval following the Gate 7. ILAs for covered programs are only required to support major acquisition milestones, per reference (b).
3. The Office of the Secretary of Defense Cost Assessment and Program Evaluation has delegated responsibility for conducting O&S ICE to the DON per enclosure (1) for FY23 and may delegate future O&S ICE. System Command Cost Estimating Organizations will develop O&S ICE indicated in enclosure (1) in accordance with appropriate cost methodologies and policies. Results of the ICE, including any critical O&S cost growth, will be presented at the SR.
4. The Deputy Assistant Secretary of the Navy for Sustainment (DASN (Sustainment)) will coordinate with the Under Secretary of Defense (Acquisition & Sustainment) to provide guidance and oversight for the Sustainment Review process.
5. My point of contact for this matter is Mr. Sean Burke, DASN (Sustainment), who may be reached at (703) 614-4794, or sean.j.burke4.civ@us.navy.mil.

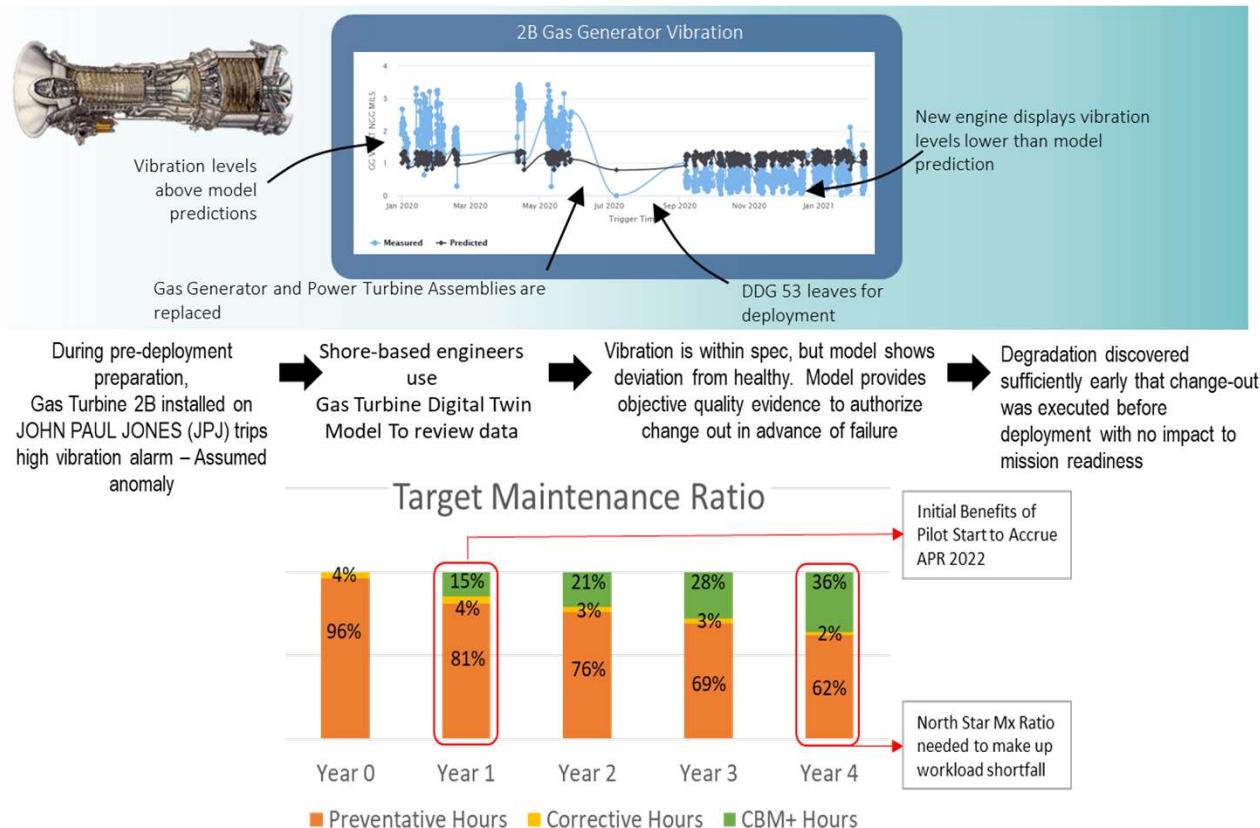
First Gate 7 Sustainment Review Conducted March 2020

- Bridge Integration-Ship Control System (BI-SCS) Participating Acquisition Resource Manager (PARM) established in 2021
 - Responsibilities IAW Top Level Requirements for Surface Ship Bridge Standardization and Integration (9 MAR 2020-VADM James Kilby/OPNAV N9)
 - Reducing the current 18 SCS configurations will significantly reduce life-cycle cost; improve sustainment across all sustainment pillars (training, facilities/labs, logistics/parts, etc.) and enhance watch-stander performance while offering potential future training reductions.
 - PMS 443 PARM construct was modeled and developed with the support of IWS-6
- PARM Responsibilities: Coordinate each system's sustainment and modernization effort very closely with the following stakeholders in order to assure effective ship integration and system interoperability
 - Ship Acquisition Program Manager (SHAPM)
 - Ship Platform Managers (SPM)
 - Other PARMs and contractors
 - In-Service Engineering Agents (ISEAs)
 - Planning Yards
 - Equipment manufacturers and laboratories

Resolving IBNS / SCS Challenges is a Top Fleet Priority

DoN Condition Based Maintenance Plus (CBM+) Operational Assessment Pilot

- DDG 51 Class Engineering for Reduced Maintenance (eRM) / Condition Based Maintenance Plus (CBM+) Pilot
 - eRM/CBM+ has proven effective in multiple use cases
 - Plan is to Scale and Institutionalize adoption
 - Developing World Class Industry Benchmark through engagement with private industry
 - Measure Performance to Plan





USS GRAVELY (DDG 107) and USS ROSS (DDG 71)
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