



NAVSEA 04 / CWP Update

March 12, 2015

NSRP Surface Preparation & Coating Panel

Presented by Mark Braza (NAVSEA04X)



Agenda



- CWP Updates
- Items of Interest
- Other SEA 04 Updates



CWP Overview



- **Submarine and Aircraft Carrier Depot Maintenance cost and schedule improvement**
- Eliminate unnecessary or unnecessarily cumbersome (i.e., non-value added) **TECHNICAL AUTHORITY REQUIREMENTS**, where appropriate (CWP).
 - E.g., NSTM and Class Maintenance Plans
- Streamline procedures and cycle time for technical authority qualification, approval, and implementation of **NEW PROCESS TECHNOLOGIES** for depot maintenance process improvement (REPTECH)
 - E.g., Heat Induction Coating Removal System
- Streamline procedures and cycle time for technical authority qualification, approval, and implementation of **NEW PROCESS / MATERIALS** for depot maintenance process improvement (ERM)
 - E.g., Rapid cure one-coat paint
- Support the efficient and effective development and implementation of industrial processes required for maintenance/repair of **NEW SYSTEMS AND COMPONENTS** on new (or legacy) ship classes



Update on CWP Items



- **Preservation Decision Authority (CWP-380) (a.k.a. Decision Tree Update)**
 - Initiative to update JFFM Preservation Decision Tree based to reflect new requirements and provide guidance for appropriate level of decision authority
 - Team meet bi-weekly for several months
 - Recommended changes are being reviewed for approval by NAVSEA technical authority



Update on CWP Items



- **Use of Cleaning Gels for Improved Surface Preparation (CWP-378)**
 - Low chloride/low sulfide formulas developed that better meet Sub and Aircraft Carrier requirements
 - Identifying low risk targets for application.
- **Laser Ablation Coatings Removal (CWP-371)**
 - High level NAVSEA attention
 - Meetings on going with NAVSEA Warrant Holders to discuss how we “get to Yes”
 - Seeking approval for non-critical applications first



CWP Items in “Done Pile”



- **Paint Receipt Inspection (CWP-287)**
 - Officially closed; white paper issued
 - Realized cost avoidance of \$227k+/year estimated across the 4 Naval Shipyards
 - Win/win for suppliers and shipyards

- **Almost in Done Pile (Awaiting SI 009-32 Update)**
 - Spot and Sweep (NSRP Project and CWP-367)
 - Approved method for removing antifouling paint but retaining highly adherent anticorrosive
 - Potable Water Tank Cleaning Requirements (CWP-373)
 - The CWP team recommended a change to the current requirements and to only perform the wipe down process using a clean, dry rag and potable water.
 - Single Coat (CWP-345)
 - Allow Single Coat process in Sub sanitary tanks



Items of Interest



- **Partial blast of tank coatings**
 - USS Buffalo (2013) and USS Pennsylvania (2012) are the only partial blast jobs that have been performed with mixed results
 - Approval for submarine use only at this time
 - No ideal candidate tanks identified since USS Buffalo
- **Paperless paint/QA tools**
 - Electronic Technical Work Documents (eTWD) contract has been awarded to Accenture Federal
 - Windows based platform
 - In initial software integration stage with hope to have paperless applications for paint QA



SEA 04X Process Improvement Priorities



Continue to utilize trade-specific communities of Practice (CoP)

- Lead by shop superintendents with participation from engineering and other support codes
- Next Preservation & Services (CoP) meeting in May at Pearl Harbor

Eliminate Cumbersome Work Practices

- 15 in '15 – Challenged to complete 15 CWP items in 2015

Warfare Center Innovation Visits

- 41 items identified @ Puget Sound visit December 9 to 11, 2014
- Norfolk visit next in March or April



Input From NSRP

- Ideas for New CWP Indicatives?

Participation in Current CWP Initiatives Encouraged

- Other Process Improvement/New Technology Items to Partner?

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