

THE COST OF NAVY COATINGS QA/QC

NSRP 2010-630 PROJECT STATUS UPDATE
POP: May 11, 2010 – April 30, 2011

NSRP SP-3 PANEL MEETING
KETCHIKAN ALSAKA
AUGUST 24-26, 2010

BAE Systems Southeast Shipyards
Global Inspection Group, LLC

PROJECT DESCRIPTION:

This effort proposes to reduce the cost of shipbuilding and repair by defining by process step the cost of US Navy Coatings QA/QC in accordance with NAVSEA Standard Items and its associated reference document requirements.

PROJECT GOALS and OBJECTIVES:

Project goals will define the cost of individual QA/QC steps averaged across the fleet. These costs will provide the information required to make a business decision on each step of the process to determine its value added contribution to the process and either reduce or eliminate it.

Project objectives will provide SSRAC proposals based on this projects work to reduce through graduated QA and or eliminate QA/QC process steps and documentation currently required.

Task 1:

Perform a Lean Event that includes Value Stream Mapping (VSM) to determine those tasks that may be of no added value or are cumbersome work practices to the overall US Navy Coatings QA/QC process steps.

Status:

The project team has received a previously completed Navy Tank Lean/VSM report. The team has evaluated the data and found it suitable for use in this task. The team has requested permission from the navy to incorporate the findings into this project report.

Task 2A&B:

Document US Navy Coating and SSPC QP1 QA/QC time and motion studies during a US Navy ship repair coating project at a US Navy Shipyard or NSRP Shipyard.

Status:

A data collection log will be issued to navy, NSRP yards, and contractors for the purpose of collecting QA/QC data. Data will be included in quarter 2 & 3 reporting cycles.

COST OF NAVY COATING QA/QC DATA COLLECTION LOG

Your assistance is requested in completing the below Data Collection Log. The goal of this project is to capture time/motion data for ALL QA/QC steps required by 009-32. Please fill out the table as completely as possible. Request data no later than September 30, 2010.

Preliminary inspection							
Paragraph Number	Appendix	Inspection/method	ft ²	Date	#readings	test inspection time	Total Time
3.10.6	3	Surface Profile (method?)	1000	5/4/2010	5	0900-1100	2 hours
NAVSEA STANDARD ITEM 009-32 G point							
Paragraph Number	Appendix	Inspection/method	ft ²	Date	#readings	test inspection time	Total Time
3.10.6	3	Surface Profile (method?)	1000	5/4/2010	5	0900-1100	2 hours
NAVSEA STANDARD ITEM 009-32 I point							
Paragraph Number	Appendix	Inspection/method	ft ²	Date	#readings	test inspection time	Total Time
3.10.6	3	Surface Profile (method?)	1000	5/4/2010	5	0900-1100	2 hours
NAVSEA STANDARD ITEM 009-32 V point							
Paragraph Number	Appendix	Inspection/method	ft ²	Date	#readings	test inspection time	Total Time
3.10.6	3	Surface Profile (method?)	1000	5/4/2010	5	0900-1100	2 hours
QP1							
Paragraph Number	Appendix	Inspection/Method	ft ²	Date	#readings	Test inspection time	Total Time
3	Guide 12	Illumination of Work Area	1000	5/4/2010	5	0900-1100	2 hours

Task 3:

Documenting time and motion of individual QA/QC steps we will extrapolate cost to perform these functions thereby providing itemized cost per step and the overall coating QA/QC cost of the project.

Status:

Waiting TASK 2 A&B data input.

Task 4:

Acquire information relevant to US Navy Coating QA/QC cost.

Status:

Received data from PMS312C / Carrier Planning for NNSY work contracted by MARMC FY04 – FY07.

PMS 312C Carrier Planning			
FY	Hull	Task	QA Cost as % to Contract Award Price
04	CVN-71	Freeboard Preservation	2%
06	CVN-75	JP 5 Tank Preservation	2%
06	CVN-75	Freeboard Preservation	2%
07	CVN-73	Freeboard Preservation	2%