



NSRP Technical Panel SP-3

“Preserving the value of ships for 33 years”

Report from the Chair

July 19, 2006

Jacksonville Beach, FL



Topics

- **Anti-Trust Rules**
- **SP-3 Panel Shipyard Reps**
- **Panel Statistics**
- **Meeting Agenda**
- **Future Meetings**
- **A Deming Refresher**
- **View from the “Chair”**



SP-3 Panel Shipyard Representatives

Atlantic Marine – Steve Cogswell

Avondale – (TBD)

Bender - J. W Napper

Bath Iron Works - Mike Ferrell

Electric Boat - Skip Castro

Fleet Rep - John Kern

Ingalls - Terry Hayes

NASSCO - Judie Blakey

Newport News – Jim Coppa

Todd - Pete Judt

Panel Chair - Mark Panosky, Electric Boat

Panel Vice-Chair – (Open)

NAVSEA Rep - TBD



Anti-Trust Rules

- **Regarding your company's and/or your competitors' products and services**
 - Do not discuss current or future prices.
 - Do not discuss any increase or decrease in price.
 - Do not discuss standardizing or stabilizing prices.
 - Do not discuss controlling sales or allocating markets for any product.
 - Do not discuss future design or marketing strategies.
- **Regarding your company's and/or your competitors' selection of their supplier companies:**
 - Do not discuss refusing to deal with a company because of its pricing or distribution practices.
 - Do not discuss strategies or plans to award business or remove business from a specific company.
- **Regarding your company's and/or competitors' trade secrets:**
 - Do not discuss trade secrets or confidential information of your company or any other participant.



SP-3 Panel Statistics

- **June 2006, Norfolk VA**
 - 35 attendees
 - Held in conjunction with Mega-Rust 2006
 - “Partnering for Success” workshop
- **November 2006, Seattle WA**
 - 63 attendees
 - Tour of Boeing Facility
 - Workshop on QA of Coatings
- **February 2007, Dallas TX**
 - 35 attendees
 - Held in conjunction with PACE



Meeting Agenda

Thursday July 19, 2007 (1 pm until 5 pm)

12:30	Room Opens for Registration	
1:00	Welcome and Opening Remarks, Introductions	Panel Chair
1:05	SP-3 Chair's Report	Panel Chair
1:30	NSRP Program Update	Tom Hite, Mountain Research Corp.
1:45	Status Report on SP-3 Project "Review of Acceptable Flash Rusting for Ship Coatings"	Pete Ault, Elzly Technology Corporation Steve Cogswell, Atlantic Marine
3:00	Break	
3:15	Status Report on SP-3 Project "Graduated Coating & Surface Preparation QA/QC Processes"	Pete Ault, Elzly Technology Corporation
4:15	Discussion of SSRAC Process and Outcome	Panel Chair
5:00	Adjourn Regular Meeting	

**Short Steering Committee Meeting
After Regular Meeting Today**



Meeting Agenda

Friday July 20, 2007 (8 am until noon)

8:00	Opening Remarks	Panel Chair
8:10	Status Report on SP-3 Project “Improved Rules For Painting US Navy Ships During New Construction and Repair”	Mark Panosky, Electric Boat Judie Blakey, NASSCO
8:30	2007 SP-3 “White Paper” Project Idea Generation	Panel Chair
9:15	Inspection of Painted Pipe Welds – Final Report	Panel Chair
10:00	Break	
10:15	New Business	



Near-Term NSRP Related Meetings

2007 American WJTA Conference & Expo

August 19-21, 2007

Marriott Westchase Hotel, Houston, Texas

EXHIBITS: Welcoming Reception and Exhibit Preview, Sunday, August 19, 2007, 7-9 p.m.;
Regular Exhibit Hall Hours: Monday, August 20, 10 a.m.-5 p.m., Tuesday, August 21, 10 a.m.-1:30 p.m.

PRE-CONFERENCE WORKSHOP, Sunday, August 19, 2007, 8 a.m.-5 p.m.

A review of the basics of waterjet equipment and safety, followed by in-depth concurrent sessions and an "Ask the Experts" panel.

LIVE ON-SITE DEMONSTRATIONS AND STATIC DISPLAYS: Monday-Tuesday, August 20-21, 8-10 a.m.



Near-Term NSRP Related Meetings

Joint Panel Meeting: Business Process Technologies Ship Production Process Technologies Systems Technology Panel Meeting	July 31 - Aug 1, 2007	Mystic, CT <i>Mystic Hilton</i>
Integrated Shipbuilding Environment (ISE6) Project Quarterly Review	August 1, 2007	Mystic, CT <i>Mystic Hilton</i>
Design for Production for Mid-Tier Shipyards (DFP) Project Quarterly Review	August 1, 2007	Seattle, WA
SHIPWAY 2.0 Project Quarterly Review	August 14-15, 2007	Seattle, WA



Near-Term NSRP Related Meetings

Welding Technology Panel Meeting	August 21-22, 2007	San Diego, CA <i>Sheraton Suites San Diego</i>
National Defense Industry Association Conference	August 21-23, 2007	Arlington, VA <i>Hyatt Regency Crystal City</i>
Fleet Maintenance Symposium 2007	September 18- 19, 2007	Virginia Beach, VA <i>Virginia Beach Convention Center</i>
Product Design & Material Technologies Panel Meeting	September 25- 26, 2007	Newport News, VA <i>Omni Newport News</i>



Near-Term NSRP Related Meetings

Environmental Technologies Panel Meeting	November 6-8, 2007	San Diego, CA <i>TBD</i>
Design for Production for Mid-Tier Shipyards (DFP) Project Quarterly Review	November 8, 2007	Lockport, LA
Crosscut Initiatives Panel Meeting	November 13, 2007	Fort Lauderdale, FL <i>TBD</i>
SNAME Maritime Technology Conference & Expo and Ship Production Symposium	November 13-17, 2007	Ft. Lauderdale, FL <i>Broward County Convention Center</i>



Possible Future SP-3 Panel Meetings

1. Joint Meeting with other NSRP Panels?
2. SNAME Conference & Ship Production Symposium, Fort Lauderdale FL, November 14-16, 2007
 - Present papers at Ship Production Symposium?
3. Shipyard Meeting (demo technology?) – late October
 - a. Northeast (BIW or EB)
 - b. Mid-Atlantic (NGNN)
 - c. West Coast (NASSCO)
4. PACE, January 27-30, 2008 Los Angeles, CA

**ELECTIONS FOR NEW CHAIR
& VICE CHAIR AT FALL MEETING**



A Deming Refresher

- 1. Innovate and allocate resources to fulfill the long-term needs of the company and customer rather than short-term profitability.**
- 2. Discard the old philosophy of accepting nonconforming products and services.**
- 3. Eliminate dependence on mass inspection for quality control; instead, depend on process control, through statistical techniques.**
- 4. Reduce the number of multiple source suppliers. Price has no meaning without an integral consideration for quality. Encourage suppliers to use statistical process control.**
- 5. Use statistical techniques to identify the two sources of waste -- system (85%) and local faults (15%); strive to constantly reduce this waste.**



A Deming Refresher

- 6. Institute more thorough, better job related training.**
- 7. Provide supervision with knowledge of statistical methods; encourage use of these methods to identify which nonconformities should be investigated for solution.**
- 8. Reduce fear throughout the organization by encouraging open, two-way, non-punitive communication. The economic loss resulting from fear to ask questions or reporting trouble is appalling.**
- 9. Help reduce waste by encouraging design, research, and sales people to learn more about the problems of production.**
- 10. Eliminate the use of goals and slogans to encourage productivity, unless training and management support is also provided.**



A Deming Refresher

- 11. Closely examine the impact of work standards. Do they consider quality or help anyone do a better job? They often act as an impediment to productivity improvement.**
- 12. Institute rudimentary statistical training on a broad scale.**
- 13. Institute a vigorous program for retraining people in new skills, to keep up with changes in materials, methods, product designs and machinery.**
- 14. Create a structure in top management that will push every day for continuous quality improvement.**



View from the Chair

- **Need more involvement and participation from some of the NSRP shipyards and from Naval shipyards**
- **Need to get the next generation involved**
- **Need to develop solid white paper proposals for this year**
- **Need to consider more meetings at shipyards with demonstrations of technology**



Why we work



RUST's A MUST

Mighty ships upon the ocean
Suffer from severe corrosion
Even those that stay at dockside
Are rapidly becoming oxide
Alas, that piling in the sea
Is mostly Fe_2O_3
And when the ocean meets the shore
You'll find there's F_3O_4
'Cause when the wind is salt and gusty
Things are getting awful rusty.

We can measure, we can test it
We can halt it and arrest it
We can gather it and weigh it
We can coat it, we can spray it
We examine and dissect it
We cathodically protect it
We can pick it up and drop it
But heaven knows we'll never stop it
So here's to rust, not doubt about it
Most of us would starve without it.

C.R.B. Watson

