

**Agenda for  
PDMT Panel Meeting  
September 22, 2005  
Sheraton Pentagon Alexandria South**

7:30 – 8:00	Continental Breakfast	
8:00 – 8:05	Call to Order and Opening Remarks	Dave Wood, NGSS
8:05 – 8:15	Executive Control Board (ECB) Perspective	TBD
8:15 – 8:25	Update by PDMT Major Initiative Team Lead	Barry Espeseth, Electric Boat
8:25 – 9:05	Internet-Enabled Common Parts Catalog (CPC): Final Brief on Results of this PDMT Panel Project	Patrick David, Bender Shipbuilding
9:05 – 9:45	PDMT Panel R&D Investment Portfolio: Summary of SBIR and ManTech Projects in the PDMT Area	Bill Palko, NSWCCD
9:45 – 10:00	BREAK	
10:00 – 10:40	CPC Part Design Class – Final Brief on Results of this SBIR Phase 2 Project	Pat Cahill, Atlantec Enterprise Solutions
10:40 – 11:20	Future Navy Product Design & Materials Technology Challenges (see abstract below)	Howard Fireman, NAVSEA
11:20 – Noon	Technology Focus Areas, Schedules, and Venues for Future PDMT Panel Meetings and Events	General Discussion (Facilitators: Dave Wood & John Malone)
Noon – 1:00	LUNCH	
1:00 – 1:40	2 <sup>nd</sup> Tier Shipyard Design Enhancement Project Phase 2 (STSDEP2): Technical Progress Report	Patrick Roberts, Bender Shipbuilding
1:40 – 3:00	Topics and Teaming Opportunities for Project Proposals in the PDMT Areas of Interest	General Discussion (Facilitators: Dave Wood & John Malone)
3:00 – 3:15	BREAK	
3:15 – 4:00	Suggestions for Future Updates of the PDMT Section of the Strategic Investment Plan (SIP)	General Discussion (Facilitators: Dave Wood & John Malone)
4:00 – 4:15	Final Remarks and Adjourn	Dave Wood, NGSS

**Abstract: Future Navy Product Design and Materials Technology Challenges  
(ideas on how to align PDMT with SEA 05D needs)**

The CNO definitive document Sea Power 21 defines an operational construct that challenges the way that we design, deploy, man and maintain the Navy surface fleet. Naval surface ship designers are developing technology solutions that provide the capability needed to meet Sea Power 21 objectives that stress existing regulatory body rules and guidelines. This presentation will address the challenges the Naval Sea Systems Command (SEA 05D) faces in specifying, designing, assessing, and certifying the ships of the next navy.

Specific ideas on how PDMT efforts can possibly align with and support SEA 05D will be cited.

Examples include:

1. High Speed Sealift technology issues such as powering, use of lightweight materials, modularity, commercial re-use, achieving high speeds, energy efficiency, etc.
2. Architecting a future, affordable fleet with reusable / multi use hull forms and modular propulsion systems.
3. Regulatory Body rules rationalization – developing a common set of rules for T-ships including linking related rules across and within Regulatory Body rules so that when T-ship programs try to tailor the specifications, the impact of invoking selected rules can be easily understood (the interconnectivity can be known).