

Thinking Outside of the Hull

Presented to: 2012 NDIA Expeditionary Warfare Conference Panama City, Florida

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NAVSEA Product Lines

G

D

Ε

С

Α

В

- Surface Warfare
 - Surface Combatants
 - Amphibious Ships/Auxiliaries
 - Small Boats and Crafts
- B Undersea Warfare
 - Submarines
 - USW Systems
 - Torpedoes
- Naval Aviation
 - Aircraft Carriers
 - CVN 78 Class
 - Carrier-based Systems
- D

Naval/NETWAR/FORCE net

- Integrated Warfare Systems (including Joint/Allied Interoperability)
- Surface & Air Command & Control, Sensors, Comms, Weapons
- Surface & Air Electronic Warfare Systems
- Networks, C4I & Space

Shown is a percentage of FY 08 dollars executed

- Naval Expeditionary Combat
 - Diving and Salvage
 - Littoral & Mine Warfare Systems
 - Special Warfare & MARCOR Systems
 - Unmanned Vehicles
 - C-IEDs

F

G

Energetic

- Energetic Systems RDT&E & Material Scale-up, Manufacture
- Cartridge Actuated Devices, Cutters, Sounding & Specialty Devices

National Response Missions

- ATFP
- Homeland Defense / Security
- Strategic Programs
- NRC

Naval Nuclear Propulsion

NAVSEA core technical capabilities support all five Enterprises and National needs



NAVSEA Key Success Factors



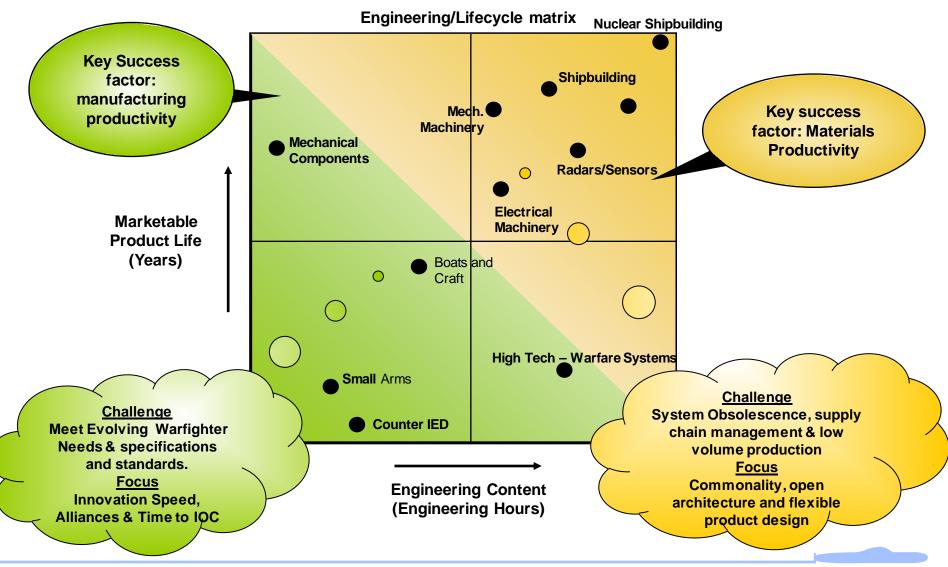


Key Success Factor: Innovation



<u>Innovation Leadership</u>: Developing the ability for an organization and its people to adapt to waves of disruptive change brought on by new business models, demographic and geopolitical shifts, and by new and emerging technologies.

NALVE FEA SYSTEMS COMMAND Key Success Factor: Technical Excellence





What Does That Mean for Expeditionary Warfare??

- Agile
- Reliable
- Lethal
- Durable
- Light
- Ease of Use
- Repairable

Product versus Process: What is Good Enough?

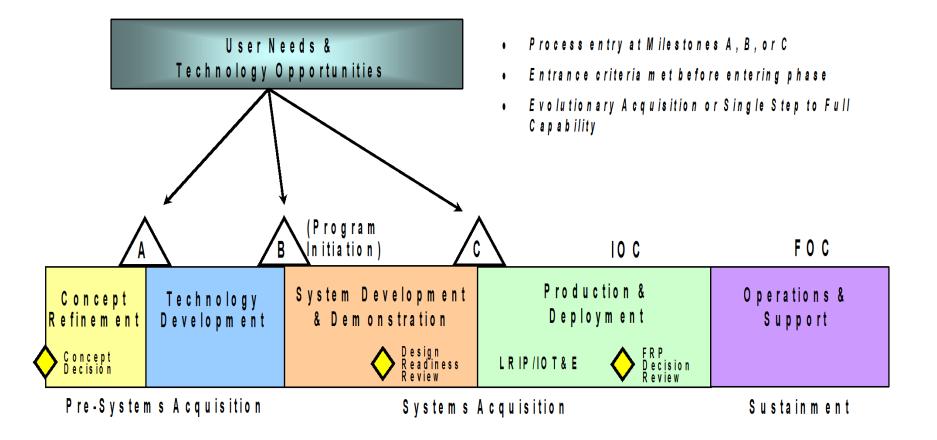


Do We Understand the Environment?





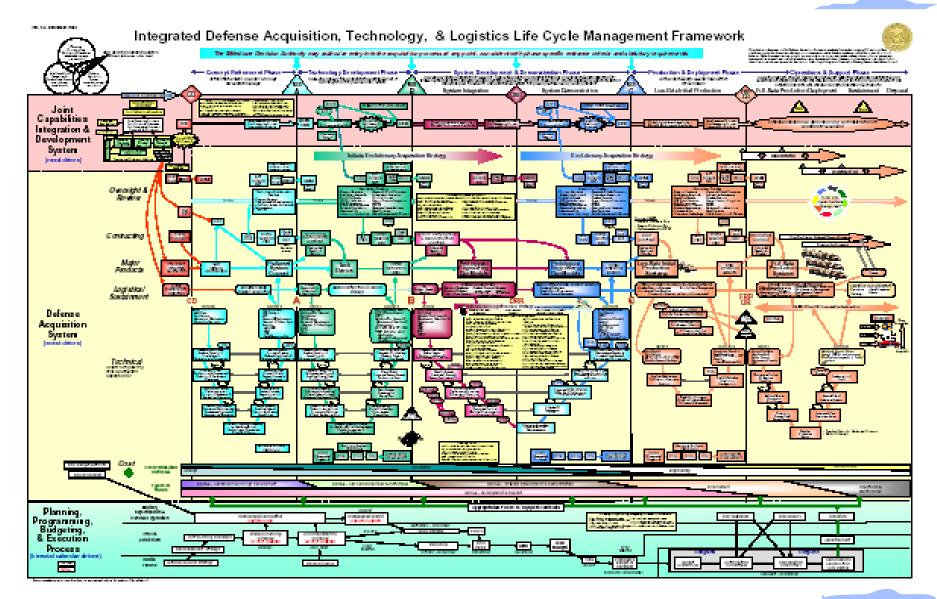
DoD Acquisition Process Life Cycle



• DoD Instruction 5000.2 (2003)



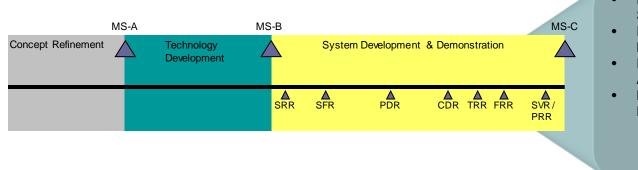
Integrated Defense AT&L Life Cycle Management Framework



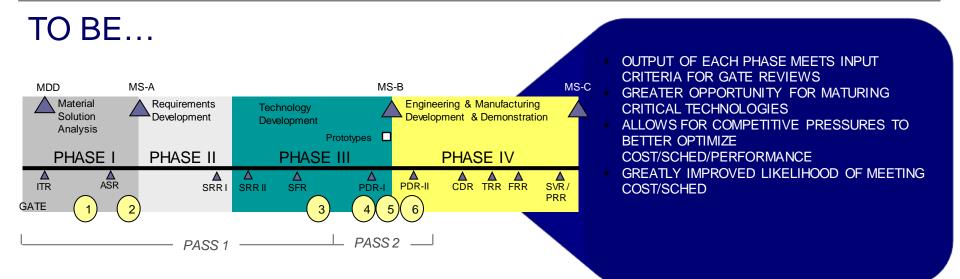


IMPROVED SYSTEM ENGINERING PROCESS

AS IS



- ENTER MS-B WITH AN IMMATURE SYSTEM SPECIFICATION
- RESULTS IN LESS INFORMED MILESTONE DECISIONS
- FOSTERS POORLY DEFINED PROGRAM ASSUMPTIONS & BASELINES
- LEADS TO COST / SCHEDULE GROWTH DURING EXECUTION



START "SLOW" TO GO FAST!



IMPROVEMENT OPPORTUNITIES

