

Effective Innovation

An Acquisition Perspective

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“Rapid” Innovation

- **Effective articulation of a warfighter need**
- **Continuous user/provider collaboration**
- **Organizational alignment**
 - **OPNAV, Sponsor(s), TYCOM, PEO(s), Fleet**
- **Mature/repurposed technology**
- **Sufficiently resourced**
- **“Open architecture” (rapidly integrated)**
- **Rapid at-sea validation**
 - **Quick Reaction Assessment**
- **Rapid fielding**

Examples: ARCI, Modified Sonobuoys, Urgent Operational Needs

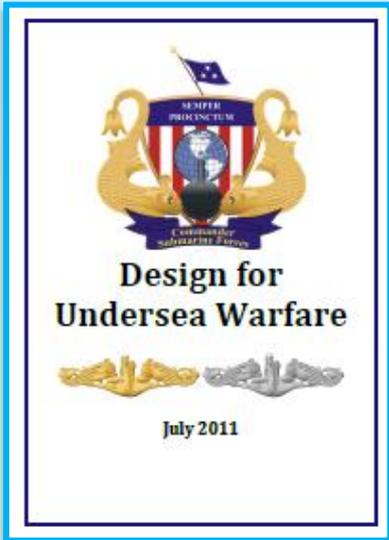
“Deliberate” Innovation

- **Strategic outlook**
 - 10+ years out
- **Organizational Alignment**
 - Fleet, Sponsor(s), TYCOM, PEO(s)
- **Deliberate Investment**
 - Sponsor commitment to innovation
- **Concept Development**
- **Concept Refinement**
 - War Games, Modeling and Simulation, at-sea experimentation
- **Requirements development**
- **Technology Development**
- **At-Sea Validation (Test and Evaluation)**
- **Transition to Program of Record**

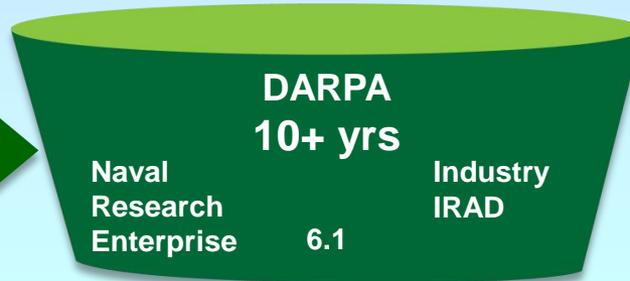
Example: GIANT SHADOW, SILENT HAMMER, JT&E

Design for Undersea Warfare

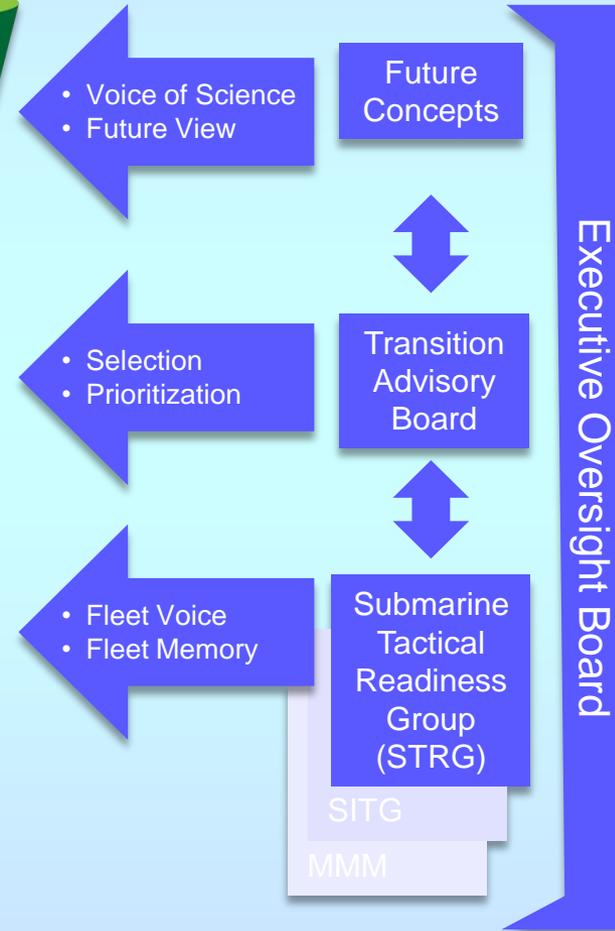
Guidance



Execution



Governance



CONOPS
Tactics
Techniques
Procedures