Strategic Alignment at Speed: Naval Special Warfare's Digital Shift



Abstract

Speed Wins: Fixing the Bottleneck in Capability Development

ASPIRATIONAL

Naval Special Warfare (NSW) must adapt faster to keep pace with modern threats. Our research targets a major slowdown in the acquisition pipeline: the DOTmLPF-P analysis process. It's slow, manual, and burdens decision-makers with low-tech tools. We interviewed over 20 stakeholders, ran a design workshop, and partnered with DIU and JIFX to reimagine how this analysis could work. The result: a proposed digital tool that accelerates decisions, connects teams, and supports warfighter-focused innovation. Our research blended operator interviews with industry exploration to ensure our solution is both mission-aligned and technically feasible.

Methods

Human-Centered, Mission-Focused:

• Interviewed operators, program managers, and acquisition leaders across NSW, DIU, and



THE MOUNTAIN

SOCOM

- Explored industry and defense innovation spaces to assess current tools and understand what's feasible for digital transformation
- Partnered with DIU and JIFX to observe realworld innovation workflows
- Facilitated a 5-hour stakeholder design workshop using warfighter-centered design principles
- Analyzed DOTmLPF-P workflows to identify bottlenecks and opportunities for digital intervention

Results & Impact

What We Learned — and Why It Matters

- OTmLPF-P is one of the most time-consuming steps in capability development (60+ days)
- Current process is disconnected from operator intent and lacks digital tools
- Critical decisions are made with limited traceability and stakeholder input
- NSW needs faster, smarter, and more connected methods of analysis

Operational Impact

→ Enables faster fielding of mission-critical capabilities

- → Improves transparency, alignment, and collaboration across NSW teams
- → Supports the shift from a rigid "Kill Chain" to a dynamic "Kill Web" acquisition model

Future Research

- 1. Prototype the digital DOTmLPF-P analysis tool with real user input
- 2. Integrate mission engineering tools like mission threads into requirements planning
- 3. Use PME and workshops to educate future planners on agile capability development
- 4. Scale this approach to other SOF or conventional units looking to accelerate acquisitions
- 5. Further collaboration with tech developers and digital engineering teams.







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