



Presentation to the Model Based Enterprise Summit at NIST

3 Apr 19

United States Naval and Marine Corps

Digital Engineering Transformation and Strategy

Michael Doctor
Director of Systems Engineering
Deputy Assistant Secretary of the Navy
for Research, Development, Test and Evaluation



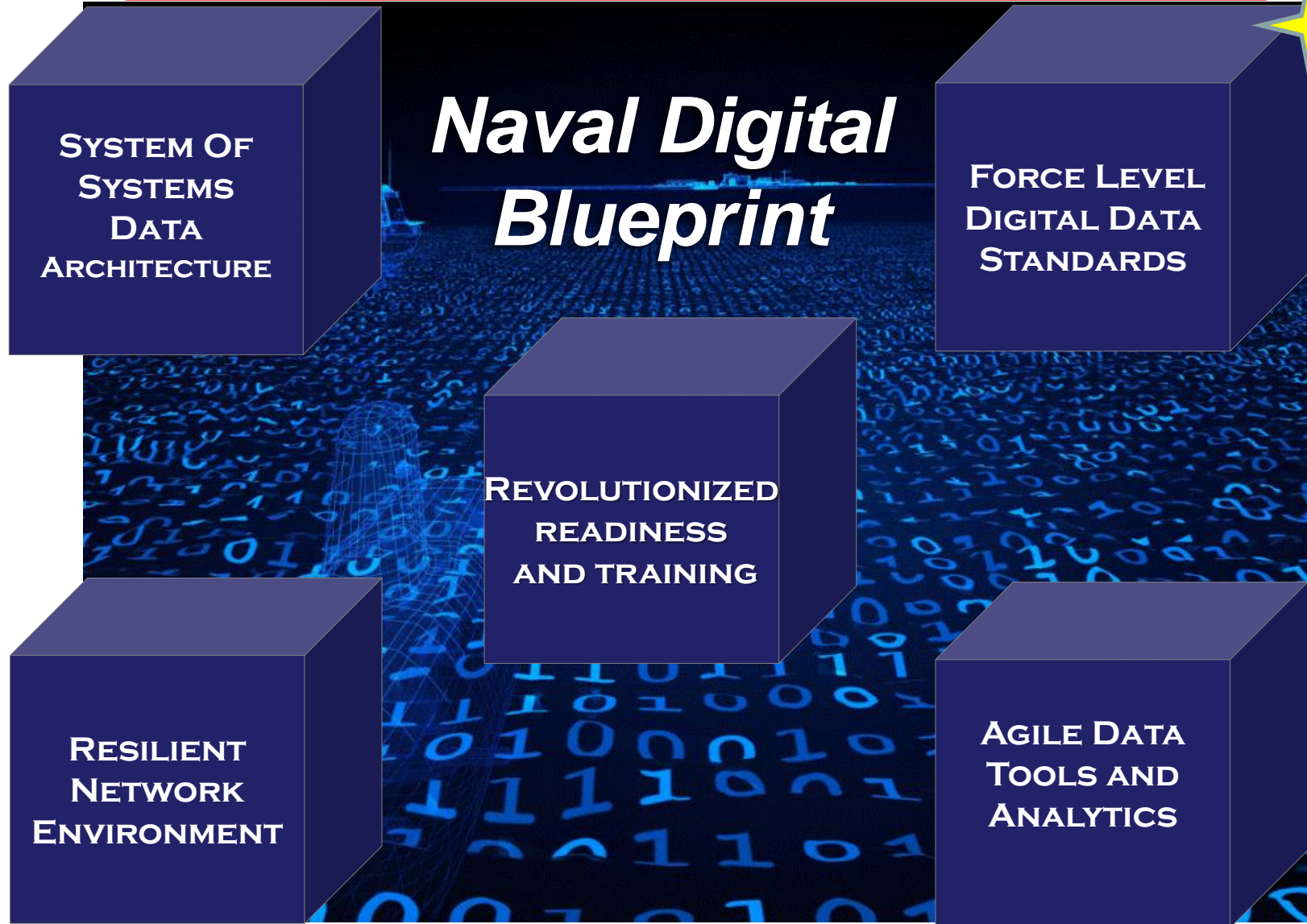
Begin with the End in Mind





Digital Cornerstones

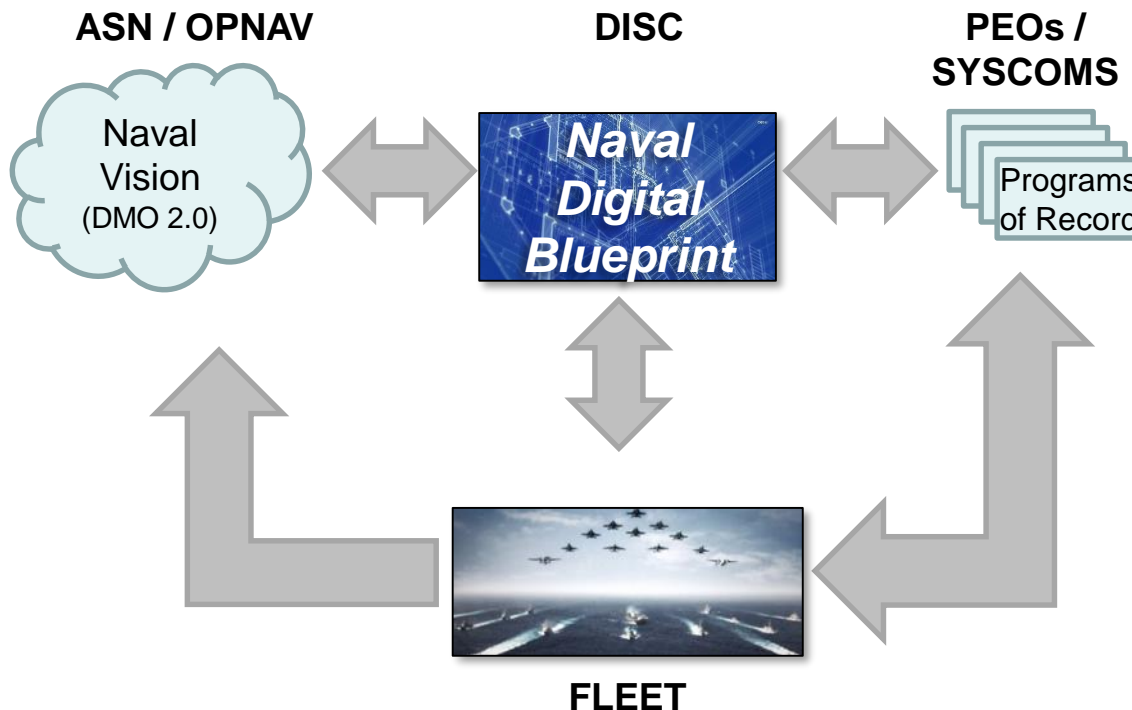
How We Design How We Fight





Provide the Navy's Digital Blueprint

“The unifying **technical, physical** and **business model** that documents the conceptual representation of the functional design of the enterprise. It codifies the **policies, standards, services, infrastructure, technical design**, and **architectural elements** required to deliver capabilities to users across the enterprise”



Naval Digital Blueprint

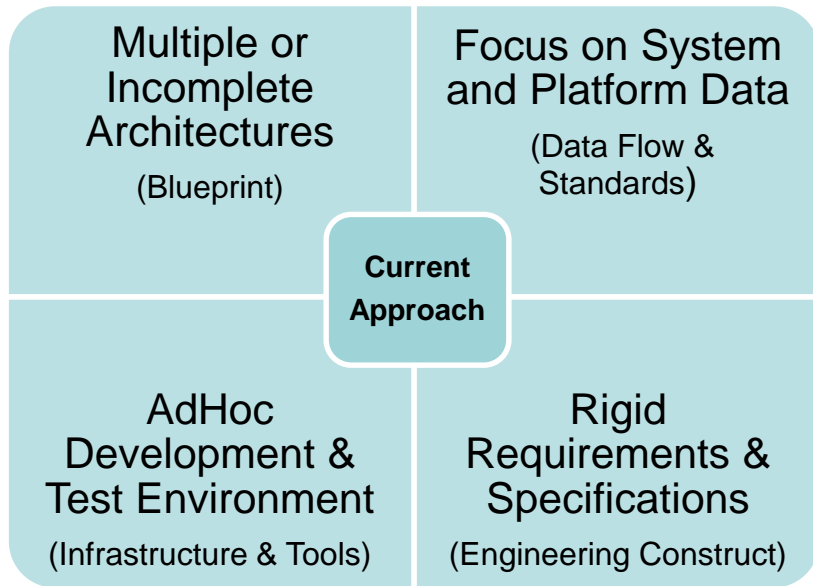
- **Structure**
 - Reference Architecture
- **Enablers**
 - Infrastructure (IME, AI & SW Factories)
 - Digital Core Services
 - Standards & Methods
 - Data Engineering
 - Workforce and Culture

Naval Digital Integration Support Cell
Translates Naval Vision to Execution via Naval Digital Blueprint



The Naval Digital Acquisition Enterprise Challenge

“TODAY”



Define & institutionalize the future through policy, instruction, & guidance



Leverage DWO Pilots to define the future state



Develop the investment strategy & priorities to aggressively move to MBSE

“FUTURE STATE”

