

Innovate or Stagnate: Causing Technological Surprise Through Science & Technology

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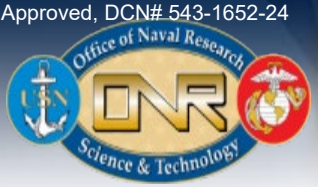
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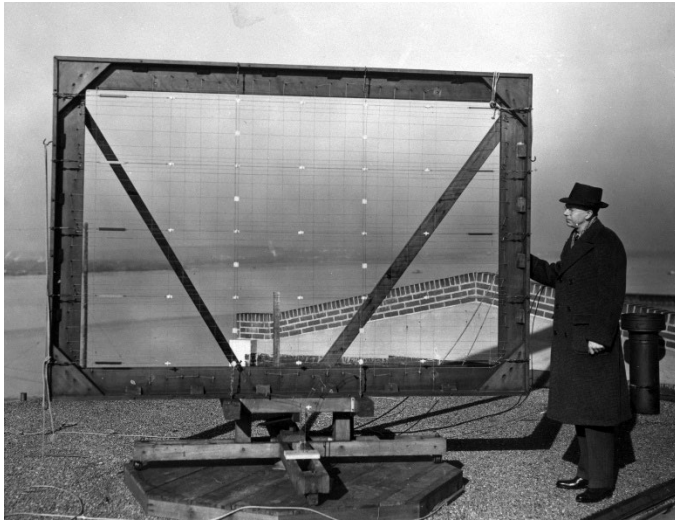
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ONR Program
Officers



Truly Disruptive Capabilities: a WWII Example of one Naval Innovator





NRL



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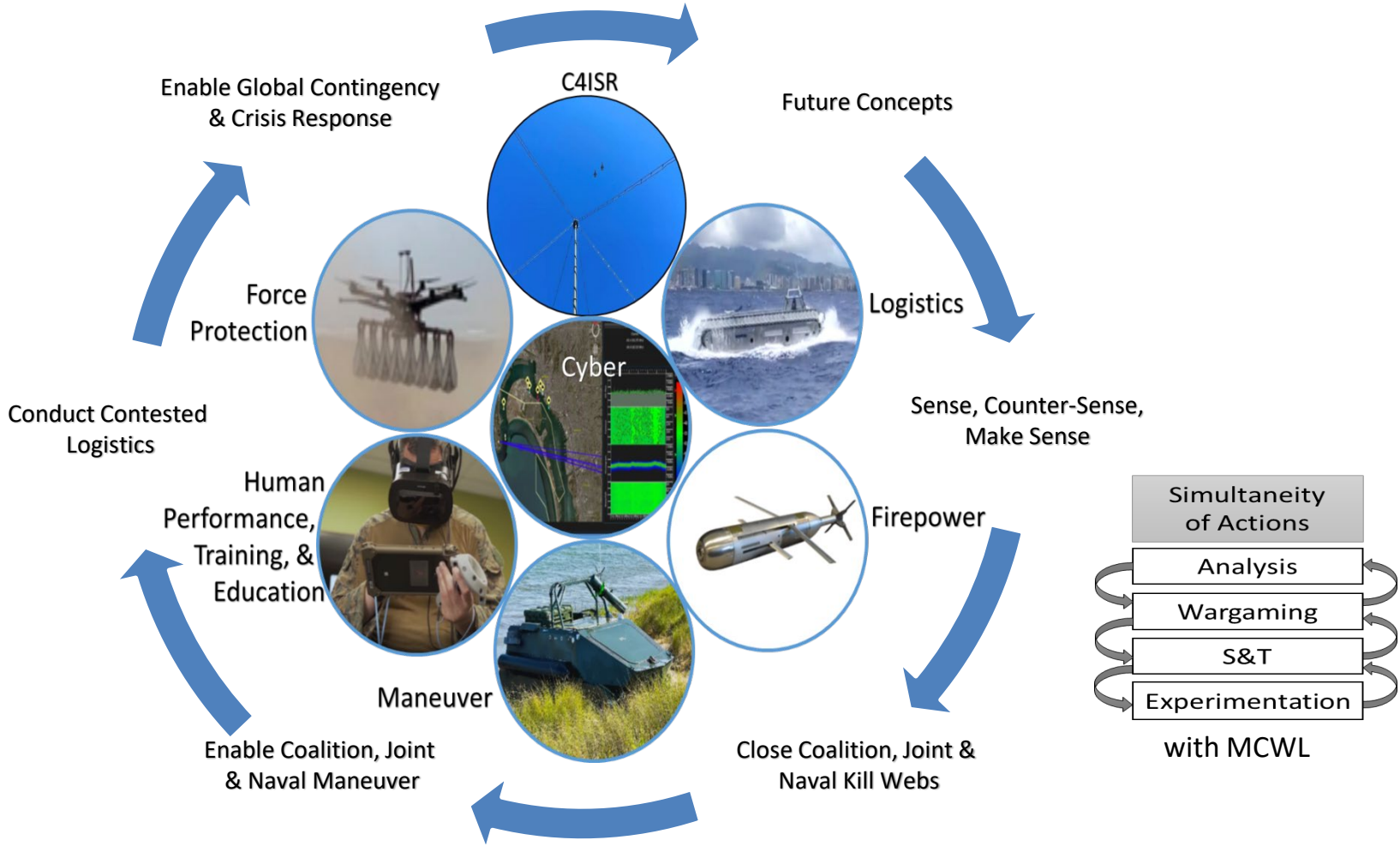
The S&T Ecosystem: an Orchard Analogy



5000 seeds, 500 trees, lots of ripe fruit



Expeditionary Portfolio





Current Example Tech Transitions

- Advanced Reconnaissance Vehicle (ARV)
- Joint Marksmanship Assessment Program (JMAP)
- Amphibious Combat Vehicle Driver Training Systems (ACV DTS)
- JTAC Virtual Trainer (JVT)



Free Space Optics





Unmanned Swarming Assault Craft & Advanced Reconnaissance vehicle





JTAC Virtual Trainer





ACV Driver Training System





Joint Marksmananship Assessment Training





UAS



ONR



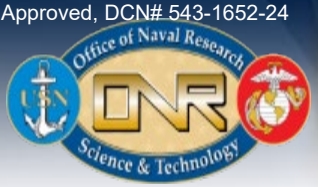
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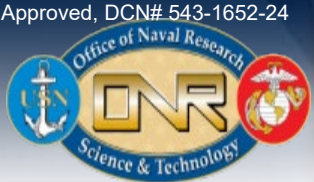
Questions?



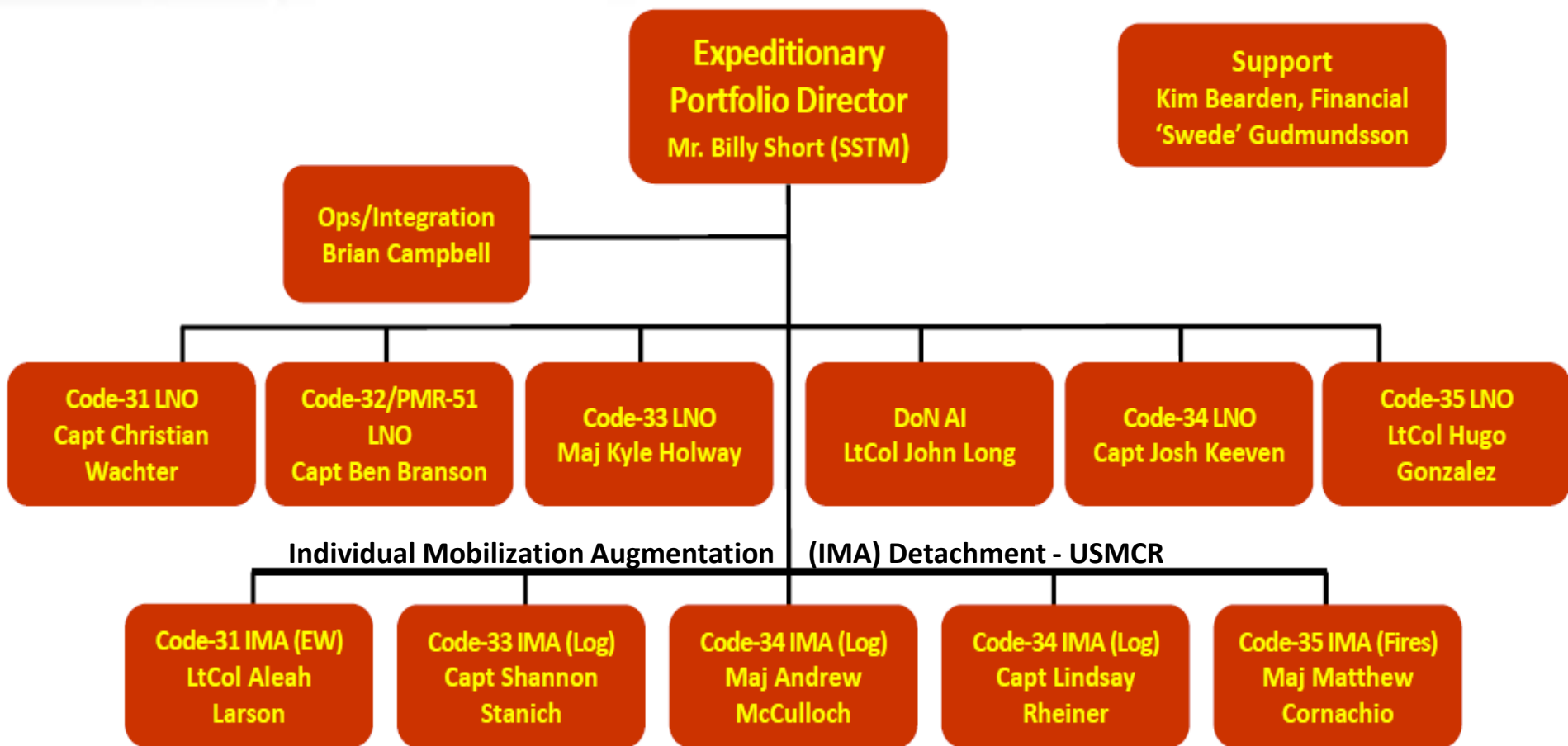


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Expeditionary Portfolio Org



USMC T/O: 3 USMC officers

- (1) Modeling & Simulation
- (2) Electrical Engineers