



Harnessing the Power of Digital Platforms to Accelerate Adoption Rates of Emerging Technologies and Innovations

19th Annual NPS Acquisition Research Symposium

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First All-Digital Advanced Naval Technology Exercise (ANTX)



Project Overmatch is as much about *delivering* the NOA as it is about changing the way we deliver capability...

Defense Industry

Commercial Industry

Academia and Think Tanks

DoD Decision Makers

Acquisition Community
(PEOs, SYSCOMS)

Naval Research and
Development Establishments

Navy and Marine Corps
Operating Forces



Integrating and assessing emerging technologies with digital platforms, Naval data sets, and relevant Fleet architectures.

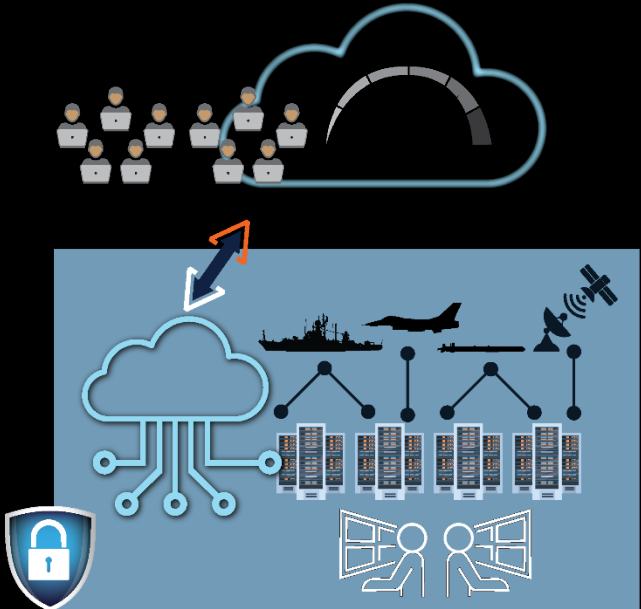
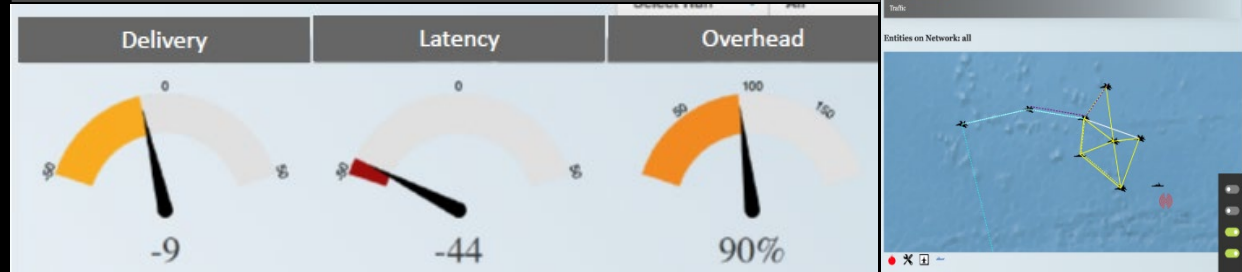
iRIL Features:

- GOTS based
- Easily integrated with models from academia, industry, labs
- Can be federated with mission simulators
- Allows trading fidelity for scalability
- Enables rapid prototyping and evaluation of emerging protocols/architectures
- **Pipelined Fleet training-quality Data Sets**

✓ Obj 1: Inform Partner R&D

✓ Obj 2: Identify Innovative NOA S&T

Automated performance assessments



Foster meaningful engagements with traditional/ non-traditional partners



Outcomes

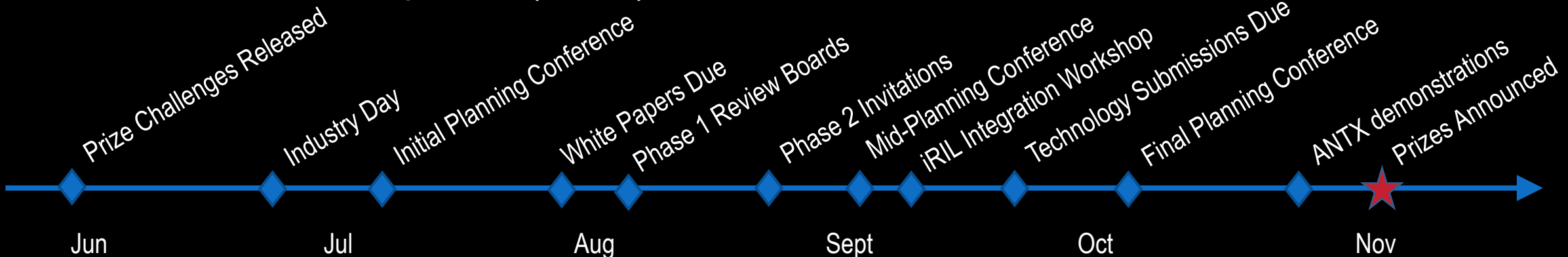
▼ Networks Challenge: 16 White Papers → 6 Finalists

- Approaches spanning traditional MANET to deep-learning techniques
- First Place – goTenna, Second Place – Raytheon BBN

▼ AI Challenge: 30 White Papers → 8 Finalists

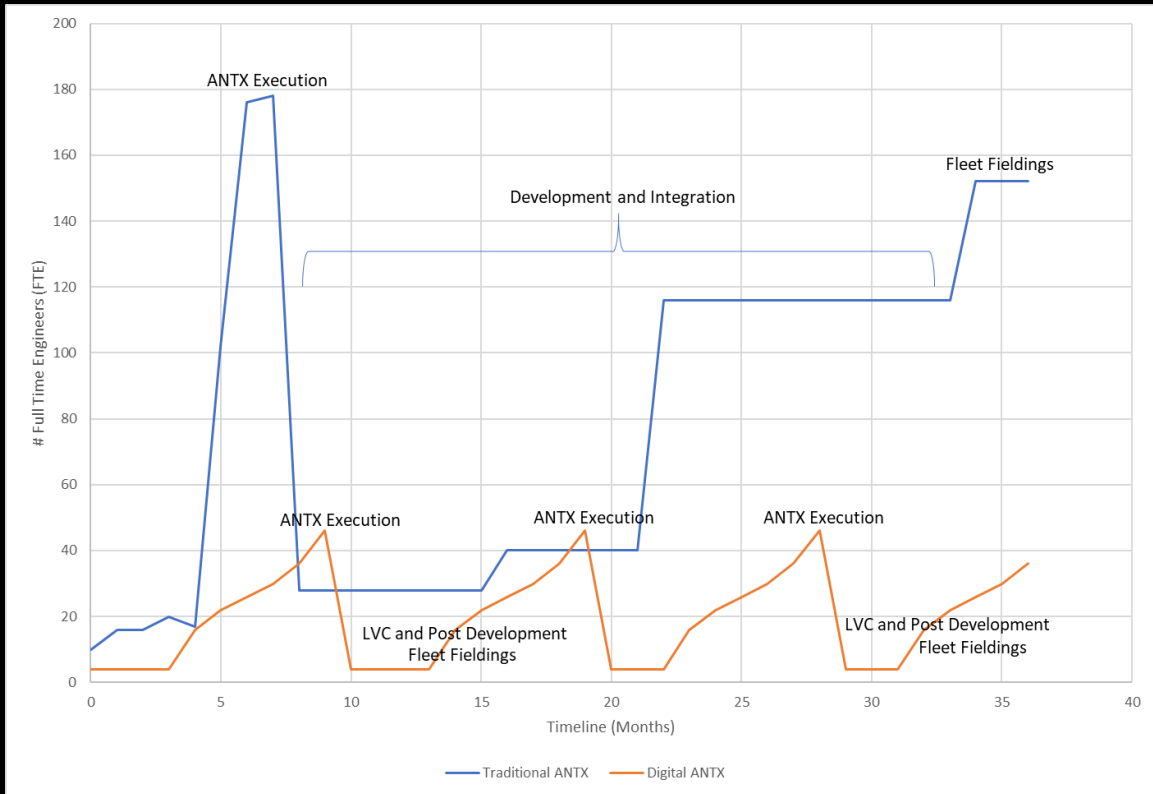
- Diverse submissions with focus on anomaly and threat detection
- First Place – Big Bear AI, Second Place – L3 Harris

▼ All Companies Continuing Development with internal research and development (IR&D)



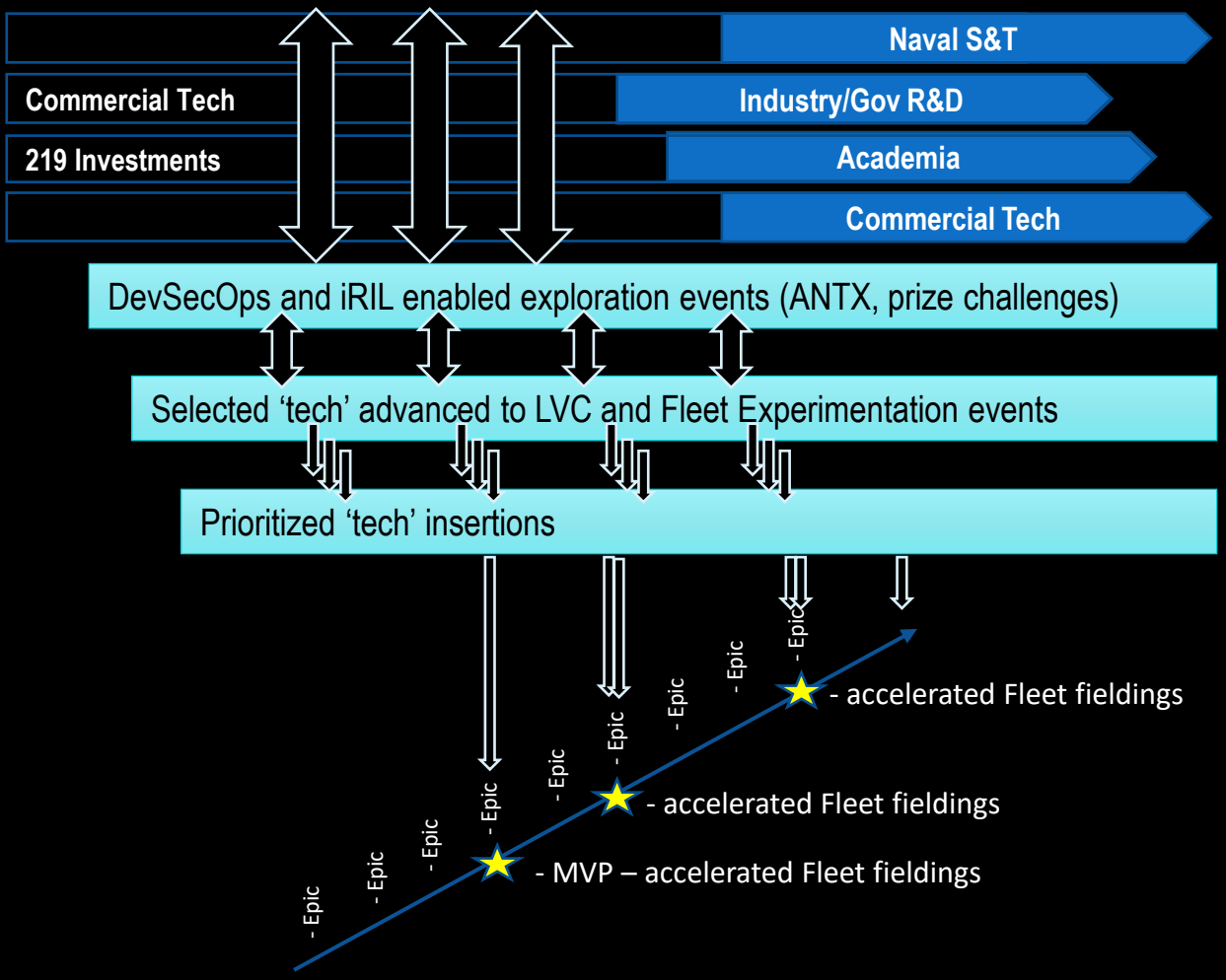


Outlook



Faster, iterative cycles from ANTX to Fleet Fieldings

Legend:
 iRIL – integrated Rapid Innovation Lab
 ANTX – Advanced Naval Technology Exercise
 LVC – Live, Virtual, Constructive
 MVP – Minimum Viable Product





Recommendations and Path Forward



- ▼ Networks Follow-On
- ▼ AI Follow-On
- ▼ LVC Collaboration
- ▼ iRIL Development & Creation
- ▼ FAST Framework

